

Model information	
Type of model	MLR
Data split	3:1
Descriptors	ICR,X%
Descriptors correlation	0.26
Preprocessing	Standard scaler - Standardize features by removing the mean and scaling to unit variance.
Model equation	$\text{PPAR}\beta \text{ BS} = -8,248(\pm 0,069) - 1,059(\pm 0,071) \times \text{ICR} - 0,409(\pm 0,071) \times \text{X\%}$

Model statistics	
R^2	0.924
RMSE_C	0.352
MAE_C	0.272
Q^2_{LOO}	0.903
$R^2 - Q^2_{\text{LOO}}$	0.021
RMSE_{CV}	0.398
MAE_{CV}	0.304
CCC_{CV}	0.950
Q^2_{F1}	0.917
Q^2_{F2}	0.916
Q^2_{F3}	0.922
RMSE_{EXT}	0.359
MAE_{EXT}	0.279
CCC_{EXT}	0.952
$R^2_{Y_{\text{SCR}}}$	0.068

MIN binding score (pred.)	-9.88
MAX binding score (pred.)	-4.45
HAT kryt.	0.31

ID	NAME	CAS	SMILES	binding score (calc.) [kcal/mol]	binding score (pred.) [kcal/mol]	X%	ICR	split (t/v)	AD (IN/OUT)
1	10:2FTOH	865-86-1	C(CO)C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9.6	-9.61	53.85	2.73	V	IN
2	10:2FTUCA	70887-94-4	C(=C(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)C(=O)O	-10	-9.73	55.56	2.74	T	IN
3	4:2diPAPs	135098-69-0	C(COP(=O)(O)OCCC(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9.8	-9.31	40.91	2.96	V	IN
4	4:2FTOH	2043-47-2	C(CO)C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F	-7.4	-7.09	42.86	1.91	T	IN
5	4:2FTS	757124-72-4	C(CS(=O)(=O)O)C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F	-7.5	-7.35	37.50	2.17	T	IN
6	5:3FTCA	914637-49-3	C(CC(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)C(=O)O	-8	-7.81	42.31	2.24	T	IN
7	6:2 Cl-PFESA	756426-58-1	C(C(C(C(F)Cl)(F)F)(F)F)(C(C(OC(C(F)(F)S(=O)(=O)O)(F)F)(F)F)(F)F)(F)F	-9.3	-9.16	54.84	2.51	T	IN
8	6:2FTOH	647-42-7	C(CO)C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F	-7.6	-8.14	48.15	2.23	T	IN
9	6:2FTS	27619-97-2	C(CS(=O)(=O)O)C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-8	-8.32	43.33	2.44	T	IN
10	6:2FTUCA	70887-88-6	C(=C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)C(=O)O	-7.7	-8.29	50.00	2.24	V	IN
11	6:2PAPs	57678-01-0	C(COP(=O)(O)O)C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-8.4	-8.29	40.63	2.51	T	IN
12	8:2FTOH	678-39-7	C(CO)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-8.8	-8.95	51.52	2.50	T	IN
13	8:2FTS	39108-34-4	C(CS(=O)(=O)O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9.1	-9.08	47.22	2.68	T	IN
14	8:2FTUCA	70887-84-2	C(=C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)C(=O)O	-9	-9.09	53.33	2.51	T	IN
15	EtFOSA	4151-50-2	CCNS(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-8.9	-9.00	45.95	2.68	V	IN
16	EtFOSE	1691-99-2	CCN(CCO)S(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9.5	-8.69	38.64	2.74	T	IN
17	FOSA	754-91-6	C(C(C(C(C(F)S(=O)(=O)N)(F)F)(F)F)(F)F)(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F	-9.2	-9.03	54.84	2.44	T	IN
18	MeFOSA	31506-32-8	CNS(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9	-8.87	50.00	2.51	V	IN
19	MeFOSE	24448-09-7	CN(CCO)S(=O)(=O)C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9	-8.85	41.46	2.74	T	IN
20	Mhopflica n=6	-	C(C(=O)O)OCC(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-7.8	-8.48	43.33	2.52	T	IN
21	Mhopflica n=7	-	C(C(=O)O)OCC(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-8.4	-9.01	45.45	2.70	T	IN
22	Mhopflica n=8	-	C(C(=O)O)OCC(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F	-9	-9.22	47.22	2.74	T	IN
23	PFBA	375-22-4	C(=O)(C(C(C(F)(F)F)(F)F)F)O	-6.1	-6.55	50.00	1.46	T	IN
24	PFBS	375-73-5	C(C(C(F)S(=O)(=O)O)(F)F)(C(F)(F)F)(F)F	-7.2	-7.28	50.00	1.79	T	IN
25	PFCHS	2106-55-0	C1(C(C(C(C(C1(F)F)(F)F)S(=O)(=O)O)(F)F)(F)F)(F)F	-7.3	-6.58	50.00	1.47	T	IN
26	PFDA	335-76-2	C(=O)(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)F)O	-9.9	-9.46	59.38	2.51	T	IN
27	PFETs	354-88-1	C(C(F)F)S(=O)(=O)O)(F)F	-5.7	-5.72	41.67	1.32	T	IN
28	PFHpA	375-85-9	C(=O)(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)O	-8.2	-8.50	56.52	2.16	V	IN
29	PFHpS	375-92-8	C(C(C(C(F)F)(F)F)(F)F)(C(C(C(F)F)S(=O)(=O)O)(F)F)(F)F)(F)F	-8.5	-8.61	55.56	2.24	T	IN
30	PFHxA	307-24-4	C(=O)(C(C(C(C(C(F)F)(F)F)(F)F)(F)F)(F)F)O	-7.3	-7.83	55.00	1.90	V	IN
31	PFHxPA	40143-76-8	C(C(C(C(F)F)P(=O)(O)O)(F)F)(C(C(C(F)F)(F)F)(F)F	-7.9	-8.21	52.00	2.15	V	IN
32	PFHxS	355-46-4	C(C(C(C(F)F)S(=O)(=O)O)(F)F)(F)F)(C(C(C(F)F)F)(F)F)(F)F	-7.9	-8.34	54.17	2.15	T	IN
33	PFNA	375-95-1	C(=O)(C(C(C(C(C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O	-9.1	-9.26	58.62	2.45	V	IN
34	PFNS	68259-12-1	C(C(C(C(C(F)F)(F)F)(F)F)(F)F)(C(C(C(C(F)F)S(=O)(=O)O)(F)F)(F)F)(F)F)(F)F	-9.7	-9.35	57.58	2.51	T	IN
35	PFOA	335-67-1	C(=O)(C(C(C(C(C(C(C(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O	-8.4	-8.75	57.69	2.24	V	IN
36	PFOPA	40143-78-0	C(C(C(C(C(F)F)P(=O)(O)O)(F)F)(F)F)(C(C(C(F)F)(F)F)(F)F)(F)F	-9.1	-9.03	54.84	2.44	T	IN
37	PFOS	1763-23-1	C(C(C(C(C(F)F)S(=O)(=O)O)(F)F)(F)F)(C(C(C(C(F)F)(F)F)(F)F)(F)F	-9.2	-9.14	56.67	2.44	V	IN
38	PFPeA	2706-90-3	C(=O)(C(C(C(C(F)F)(F)F)(F)F)(F)F)O	-7.5	-7.49	52.94	1.81	V	IN
39	PFPeS	2706-91-4	C(C(C(F)F)(F)F)(C(C(C(F)F)S(=O)(=O)O)(F)F)(F)F	-7.7	-7.66	52.38	1.90	T	IN
40	PFPPrA	422-64-0	C(=O)(C(C(C(F)F)(F)F)O	-5.3	-6.04	45.45	1.36	V	IN
41	PFPPrS	110676-15-8	C(C(F)F)(F)F)(C(F)F)S(=O)(=O)O)(F)F	-6.2	-6.31	46.67	1.45	V	IN
42	PFUDA	2058-94-8	C(=O)(C(C(C(C(C(C(C(C(C(C(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)(F)F)O	-9.7	-9.88	60.00	2.69	T	IN
43	TFA	76-05-1	C(=O)(C(F)F)F)O	-4.4	-4.45	37.50	0.86	T	OUT

[illegible]

[illegible]

[illegible]

[illegible]

	Bis(2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl)sulfosuccinate sodium salt	60131-27-3	[Na+].[O-]S(=O)(=O)C(CC(=O)OC(F)F(C)F(F)C(F)F(C)F(C)F(C)=O)CC(F)F(C)F(C)F(C)F(C)F(C)F	-10.23	40.00	3.40	P	OUT
QL00246	Bis(1H,1H,6H-perfluorohexyl)-2-sulfobutanedioate sodium salt	98151-22-5	[Na+].[O-]S(=O)(=O)C(CC(=O)OC(F)F(C)F(F)C(F)F(C)F(C)F)C(=O)OCC(F)F(C)F(C)F(C)F(C)F(C)F	-9.74	37.04	3.26	P	OUT
QL00247	Sodium 1,4-bis(3,3,4,4,5,5,6,6,7,7,8,8-tridecafluorooctylsulphonatosuccinate)	54950-05-9	[Na+].[O-]S(=O)(=O)C(CC(=O)OCCCC(F)F(C)F(F)C(F)F(C)F(C)F(C)F(C)=O)OCCC(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F	-10.42	39.39	3.50	P	OUT
QL00248	Sodium perfluorodecanesulfonate	2806-15-7	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F	-10.02	58.33	2.79	P	OUT
QL00249	Sodium Perfluorononanenesulfonate	98789-57-2	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)F	-9.62	57.58	2.63	P	IN
QL00250	Sodium perfluorooctanesulfonate	4021-47-0	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)F	-9.43	56.67	2.57	P	IN
QL00251	Sodium perfluorohexanesulfonate	82382-12-5	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)F	-8.70	54.17	2.31	P	IN
QL00252	Sodium nonafluorobutane-1-sulfonate	60453-92-1	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)F	-7.75	50.00	2.00	P	IN
QL00253	Sodium 1,1,2,2-tetrafluoro-(1,1,2,2-pentafluoroethoxy)ethanesulfonate	113507-87-2	[Na+].[O-]S(=O)(=O)C(F)F(C)F(F)OC(F)F(C)F(F)F	-7.78	47.37	2.09	P	IN
QL00254	Sodium 2â€¦[[perfluorooctyl(oxy)]benzeneâ€¦trisulfonate	41674-07-1	[Na+].[O-]S(=O)(=O)C1=C(C(OC(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F))C=CC=C1	-9.07	41.46	2.84	P	IN
QL00255	Heptadecafluorooctanesulfonamidobenzenesulfonic acid sodium salt	172398-80-0	[Na+].[O-]S(=O)(=O)C1=CC=C(NS(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F))C=C1	-9.58	37.78	3.17	P	IN
QL00256	Sodium 4-(perfluoro(2-methylpent-2-en-3-yloxy)benzene-1-sulfonate	85284-17-9	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(=C(C(F)F)C(F)F(F)C(F)F(C)F(F)C(F)F)C=C1	-7.49	33.33	2.35	P	IN
QL00257	Sodium 4-(perfluoro(3,4-dimethylhex-3-en-2-yloxy))benzene-1-sulfonate	94042-94-1	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(F)(C(=C(C(F)F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F)C=C1	-8.65	38.46	2.73	P	IN
QL00258	Sodium 4-(((4E)-4,6-dimethylhept-4-en-3-yloxy)benzene-1-sulfonate	85284-15-7	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(F)(C(=C(F)C(F)(C(F)F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F)C=C1	-8.62	40.48	2.66	P	IN
QL00259	Sodium 4-perfluorononyloxym benzenesulpho nate	59536-17-3	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(F)F(C)F(F)C(F)F(C)F(C)F(C)F(C)F(C)F(C)F(C)F)C=C1	-9.91	43.18	3.17	P	OUT
QL00260	Sodium 4-(perfluoro-2-(butan-2-yl)-3-ethyl-3-methylpent-1-en-1-yloxy)benzenesulfonate	94042-95-2	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(F)=C(C(F)(C(F)F)C(F)F(C)F(F)C(C(F)F)F)(C(F)F)C(F)F(C)F(F)C(F)F)C=C1	-8.50	45.10	2.48	P	IN
QL00261	Sodium 4-perflurohexenyloxybenzenesulfo nate	59493-84-4	[Na+].[O-]S(=O)(=O)C1=CC=C(OC(F)=C(F)C(F)F(C)F(C)F(F)C(F)F)C=C1	-8.63	33.33	2.86	P	OUT
QL00262	Sodium 1-{[2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptyl]-2-sulphonatobenzoate	29811-19-6	[Na+].[O-]S(=O)(=O)C1=CC=CC=C1C(=O)OCC(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F	-8.41	30.00	2.86	P	OUT
QL00263	Sodium [[[(hepta-decafluorooctyl)sulphony l]amino)methyl]benzenesulphonate	51032-47-4	[Na+].[O-]S(=O)(=O)c1cccc1NS(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F	-9.11	35.42	3.02	P	IN
QL00264	Sodium [[[(tridecafluorohexyl)sulfonyl]ami no[methyl]benzenesulphonate	68299-21-8	[Na+].[O-]S(=O)(=O)c1ccccc1NS(=O)(=O)C(F)F(C)F(F)C(F)F(C)F(F)C(F)F(C)F(F)F	-8.42	30.95	2.84	P	OUT
QL00265								

QL00266	Sodium [[[(undecafluoropentyl)sulphonyl] amino]methyl]benzenesulphonate	68299-20-7	[Na+].[O-]S(=O)(=O)c1ccccc1CNS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.15	28.21	2.79	P	OUT
QL00267	Sodium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate	27619-94-9	[Na+].[O-]S(=O)(=O)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.63	43.33	2.58	P	IN
QL00268	Sodium 5,5,6,6,7,7,8,8,8-nonafluorooctane-1-sulfonate	65345-91-7	[Na+].[O-]S(=O)(=O)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.78	30.00	2.57	P	OUT
QL00269	1,3-Bis[(6H-perfluorohexyl)methoxy]-2-propanol hydrogen sulfate sodium	61119-62-8	[Na+].[O-]S(=O)OC(COCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.23	40.00	3.40	P	OUT
QL00270	Sodium 2-(((perfluorohexyl)ethyloxy)carbon ylamino)ethylsulfanylsulfonate	82199-07-3	[Na+].[O-]S(=O)(=O)SCCNC(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.08	30.95	3.13	P	OUT
QL00271	Sodium heptadecafluorooctanesulphinate	68555-67-9	[Na+].[O-]S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.56	58.62	2.58	P	IN
QL00272	Sodium 1,1,2,2,3,3,4,4,5,5,6,6,7,7-pentadecafluoroheptane-1-sulphinate	68555-66-8	[Na+].[O-]S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.08	57.69	2.39	P	IN
QL00273	Sodium undecafluoropentane-1-sulfinate	1997344-07-6	[Na+].[O-]S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.25	55.00	2.09	P	IN
QL00274	Sodium 1,1,2,2,3,3,4,4,4-nonafluoro1-butanesulfinate	102061-82-5	[Na+].[O-]S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.97	52.94	2.02	P	IN
QL00275	Lodyne S 103A	62880-93-7	[Na+].CC(C)(CS([O-])(=O)=O)NC(=O)CCSCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.73	24.53	3.15	P	OUT
QL00276	1-(Perfluorooctyl)nonanol sulfate sodium	799267-73-5	[Na+].CCCCCCCCC(OS([O-])(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.13	29.31	3.20	P	OUT
QL00277	(1H,1H,7H-perfluoroheptyl)-2-sulfohexadecanoate sodium salt	75032-94-9	[Na+].CCCCCCCCCCCCC(C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S([O-])(=O)=O	-9.32	16.00	3.65	P	OUT
QL00278	N-Ethyl-N-(perfluoro-1-oxoheptyl)-glycine sodium salt	116537-74-7	[Na+].CCN(CC([O-])=O)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	36.11	2.65	P	IN
QL00279	Sodium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate	3871-50-9	[Na+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.99	39.53	2.85	P	IN
QL00280	Sodium N-ethyl-N-((pentadecafluoroheptyl)sulphonyl)glycinate	68555-71-5	[Na+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.76	37.50	2.81	P	IN
QL00281	Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate	68555-70-4	[Na+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.26	35.14	2.65	P	IN
QL00282	Sodium N-ethyl-N-((undecafluoropentyl)sulphonyl)glycinate	68555-69-1	[Na+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.97	32.35	2.59	P	IN
QL00283	Sodium N-ethyl-N-((nonafluorobutyl)sulphonyl)glycinate	68555-68-0	[Na+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.35	29.03	2.40	P	OUT
QL00284	3-[Ethyl(perfluoro-1-oxooctyl)amino]-1-propanesulfonic acid sodium salt	89685-61-0	[Na+].CCN(CCCS([O-])(=O)=O)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.90	32.61	3.01	P	OUT
QL00285	1-Propanesulfonic acid, 3-[ethyl((heptadecafluorooctyl)sulfonyl)amino]-, sodium salt	75032-81-4	[Na+].CCN(CCCS([O-])(=O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.05	34.00	3.04	P	OUT

QL00312	Diammonium 2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl phosphate	67939-98-4	[NH4+].[NH4+].CCN(CCOP(=O)([O-])[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00313	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,11,11,11-hexadecafluoro-2-hydroxy-10-(trifluoromethyl)undecyl phosphate	63295-18-1	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00314	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,13,13,13-icosafuoro-2-hydroxy-12-(trifluoromethyl)tridecyl phosphate	94200-50-7	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00315	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,15,15,15-tetracosafuoro-2-hydroxy-14-(trifluoromethyl)pentadecyl phosphate	94200-51-8	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00316	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,17,17,17-octacosafuoro-2-hydroxy-16-(trifluoromethyl)heptadecyl phosphate	94200-52-9	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00317	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-dotriacontafuoro-2-hydroxy-18-(trifluoromethyl)nonadecyl phosphate	94200-53-0	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00318	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-tritriacontafuoro-2-hydroxynonadecyl phosphate	94200-49-4	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00319	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,17-nonacosafuoro-2-hydroxyheptadecyl phosphate	94200-48-3	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00320	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-pentacosafuoro-2-hydroxypentadecyl phosphate	94200-47-2	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00321	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-henicosafuoro-2-hydroxytridecyl phosphate	94200-46-1	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00322	Diammonium 4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-heptadecafluoro-2-hydroxyundecyl phosphate	94200-45-0	[NH4+].[NH4+].OC(COP(=O)([O-])[O-])CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00323	Ammonium 2,3,3,4,4,5,5,6,6,6-decafluoro-2-(pentafluoroethyl)hexanoate	13058-06-5	[NH4+].[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F

-8.68	27.78	3.04	P	OUT
-9.06	35.85	2.99	P	IN
-9.63	38.98	3.15	P	IN
-10.12	41.54	3.31	P	OUT
-10.56	43.66	3.44	P	OUT
-10.95	45.45	3.57	P	OUT
-10.95	44.59	3.60	P	OUT
-10.56	42.65	3.47	P	OUT
-10.13	40.32	3.34	P	OUT
-9.63	37.50	3.20	P	OUT
-9.07	34.00	3.04	P	OUT
-8.36	50.00	2.28	P	IN

QL00358	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate	68259-10-9	[NH4+].[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.19	40.91	2.00	P	IN
QL00359	Ammonium 1,1,2,2-tetrafluoro-2-({1,1,1,2,3,3-hexafluoro-3-(pentafluoroethoxy)propan-2-yl}oxy)ethane-1-sulfonate	93644-65-6	[NH4+].[O-]S(=O)(=O)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)F	-8.70	45.45	2.56	P	IN
QL00360	82 Fluorotelomer sulfonate ammonium salt	149724-40-3	[NH4+].[O-]S(=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.05	42.50	2.80	P	IN
QL00361	62 Fluorotelomer sulphonate ammonium	59587-39-2	[NH4+].[O-]S(=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.31	38.24	2.58	P	IN
QL00362	4-(Nonafluorobutoxy)butanesulfonic acid ammonium salt	484023-69-0	[NH4+].[O-]S(=O)(=O)CCCCOC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.65	25.71	2.63	P	OUT
QL00363	1H,1H,2H,2H-Perfluorotetradecanol sulfate ammonium salt	63225-59-2	[NH4+].[O-]S(=O)(=O)OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.21	47.17	3.19	P	OUT
QL00364	1H,1H,2H,2H-Perfluorododecanol sulfate ammonium salt	63225-58-1	[NH4+].[O-]S(=O)(=O)OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.70	44.68	3.03	P	IN
QL00365	1H,1H,2H,2H-Perfluorodecanol sulfate ammonium salt	63225-57-0	[NH4+].[O-]S(=O)(=O)OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.10	41.46	2.85	P	IN
QL00366	1H,1H,2H,2H-Perfluorooctanol sulfate ammonium salt	63225-56-9	[NH4+].[O-]S(=O)(=O)OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.38	37.14	2.64	P	IN
QL00367	Ammonium N-ethyl-N-[(heptadecafluorooctyl)sulphonyl]glycinate	2991-52-8	[NH4+].CCN(CC(=O)[O-])S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.79	36.17	2.85	P	IN
QL00368	2-Hydroxy-3-[ethyl[(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt	484023-83-8	[NH4+].CCN(CC(O)CS([O-])(=O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.40	20.93	2.65	P	OUT
QL00369	Ammonium bis[2-[ethyl[(pentadecafluoroheptyl)sulphonyl]amino]ethyl] phosphate	67939-97-3	[NH4+].CCN(CCOP(=O)([O-])OCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.54	34.09	3.70	P	OUT
QL00370	Ammonium N,N-bis(perfluorobutanesulfonyl)amide	129318-48-5	[NH4+].FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)[N-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.24	47.37	2.75	P	IN
QL00371	2-Hydroxy-3-[(2-hydroxyethyl)][(nonafluorobutyl)sulfonyl]amino]propanesulfonic acid monoammonium salt	484023-82-7	[NH4+].OCCN(CC(O)CS([O-])(=O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.35	20.45	2.64	P	OUT
QL00372	3,3,4,4,5,5,6,6,6-nonafluoro-1-nitrohex-1-ene	306935-66-0	[O-][N+](=O)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.86	45.00	2.19	P	IN
QL00373	1H,2H,2H-perfluorooctanal (2,4-dinitrophenyl)hydrazone	128917-19-1	[O-][N+](=O)C1=CC(=C(NN=CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1)[N+](=[O-])=O	-8.81	30.95	3.01	P	OUT
QL00374	1-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-3,5-dinitrobenzene	24813-57-8	[O-][N+](=O)C1=CC(=CC(=C1)[N+](=[O-])=O)C(F)(F)C(F)(F)C(F)(F)F	-5.76	28.00	1.72	P	OUT
QL00375	Butanamide, N-(2-bromo-4-nitrophenyl)-2,2,3,3,4,4,4-heptafluoro-	111189-67-4	[O-][N+](=O)C1=CC(Br)=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-7.65	29.63	2.52	P	OUT
QL00376	3-Nitrophenyl heptafluorobutanoate	52512-15-9	[O-][N+](=O)C1=CC(OC(=O)C(F)(F)C(F)(F)C(F)(F)F)=CC=C1	-7.25	26.92	2.42	P	OUT
QL00377	N-(4-Nitrophenyl)perfluorobutanamide	3869-06-5	[O-][N+](=O)C1=CC=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)C=C1	-7.44	25.93	2.53	P	OUT
QL00378	4-Nitrophenyl heptafluorobutanoate	1799-92-4	[O-][N+](=O)C1=CC=C(OC(=O)C(F)(F)C(F)(F)C(F)(F)F)C=C1	-7.50	26.92	2.53	P	OUT
QL00379	6-Nitro-2-(pentafluoroethyl)-1H-benzimidazole	4229-01-0	[O-][N+](=O)C1=CC2=C(C=C1)N=C(N2)C(F)(F)C(F)(F)F	-6.65	21.74	2.29	P	OUT

QL00380	1,2,4-Trifluoro-3,5-bis(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-6-nitrobenzene	20017-51-0	[O-][N+](=O)c1c(F)c(F)c(F)c1C(F)(C(F)(F)F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F
QL00381	1,2,4,5-Tetrafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-6-nitrobenzene	20017-50-9	[O-][N+](=O)c1c(F)c(F)c(F)c1F)C(F)(C(F)(F)F)C(F)(F)F
QL00382	1,4-Dichloro-2-(1,1,2,3,3,3-hexafluoropropoxy)-5-nitrobenzene	130841-23-5	[O-][N+](=O)c1cc(Cl)c(OC(F)(F)C(F)(F)F)C(F)(F)cc1Cl
QL00383	2,2,3,3,4,4,5,5-Nonafluoropentyl 2,5,7-trinitro-9-oxo-9H-fluorene-4-carboxylate	253605-71-9	[O-][N+](=O)c1cc2C(=O)c3cc(cc(c3-c2c(c1)C(=O)OCC(F)(F)C(F)(F)C(F)(F)F)[N+](O-)=O)[N+](O-)=O
QL00384	2,2,3,3,4,4,4-Heptafluoro-1-(4-nitrophenyl)butan-1-one	144459-62-1	[O-][N+](=O)c1ccc(cc1)C(=O)C(F)(F)C(F)(F)C(F)(F)F
QL00385	1-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-4-nitrobenzene	2396-14-7	[O-][N+](=O)c1ccc(cc1)C(F)(C(F)(F)F)C(F)(F)F
QL00386	1-Nitro-4-(nonafluorobutyl)benzene	196932-95-3	[O-][N+](=O)c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00387	1-(Heptafluoropropyl)-4-nitrobenzene	1300746-85-3	[O-][N+](=O)c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)F
QL00388	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptadecafluoro-N-(4-nitrophenyl)nonanamide	164796-46-7	[O-][N+](=O)c1ccc(NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1
QL00389	2,2,3,3,4,4,5,5,6,6,7,7-Tridecafluoro-N-(4-nitrophenyl)heptanamide	164796-44-5	[O-][N+](=O)c1ccc(NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1
QL00390	2,2,3,3,4,4,5,5-Nonafluoro-N-(4-nitrophenyl)pentanamide	150333-62-3	[O-][N+](=O)c1ccc(NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1
QL00391	N-(2,4-Dinitrophenyl)-2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanamide	105936-30-9	[O-][N+](=O)c1ccc(NC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)c(c1)[N+](O-)=O
QL00392	1-Nitro-4-({2,2,3,3,4,4,5,5,6,6,6-undecafluorohexyl)oxy}benzene	183997-46-8	[O-][N+](=O)c1ccc(OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1
QL00393	1-(2,2,3,3,4,4,4-Heptafluorobutoxy)-4-nitrobenzene	109230-68-4	[O-][N+](=O)c1ccc(OCC(F)(F)C(F)(F)C(F)(F)F)cc1
QL00394	2-(Heptafluoropropyl)-6-nitro-1H-benzimidazole	6826-38-6	[O-][N+](=O)c1ccc2nc(Nc2c1)C(F)(F)C(F)(F)C(F)(F)F
QL00395	1-Nitro-3-(undecafluorooctyl)benzene	1463530-16-6	[O-][N+](=O)c1cccc(c1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00396	1-Nitro-3-(nonafluorobutyl)benzene	2398-76-7	[O-][N+](=O)c1cccc(c1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00397	1,1,1,2,2,3,3-heptafluoro-5-nitro-4-(nitromethyl)pentane	355-91-9	[O-][N+](=O)CC(C[N+](O-)=O)C(F)(F)C(F)(F)C(F)(F)F
QL00398	3,3,4,4,5,5,6,6-Nonafluorohexyl nitrate	34839-44-6	[O-][N+](=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00399	Perfluorooctanoate ion(1-)	45285-51-6	[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00400	Perfluoroheptanoate	120885-29-2	[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00401	1-Propanaminium, 3-[[[heptadecafluorooctyl)sulfonyl]amino]-N,N,N-trimethyl-, sulfate (2:1)	70225-26-2	[O-]S([O-])(=O)=O.O.[N+](C)(C)CCCNS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F.NS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00402	Perfluorooctanesulfonate	45298-90-6	[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00403	Perfluorohexanesulfonate	108427-53-8	[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F

-7.87	53.13	1.97	P	IN
-8.04	47.83	2.19	P	IN
-7.72	33.33	2.45	P	IN
-7.85	19.57	2.89	P	OUT
-7.43	28.00	2.47	P	OUT
-6.76	30.43	2.10	P	IN
-7.82	34.62	2.46	P	IN
-7.19	30.43	2.29	P	IN
-9.57	40.48	3.09	P	IN
-8.89	36.11	2.90	P	IN
-8.01	30.00	2.68	P	OUT
-8.13	30.56	2.71	P	OUT
-8.32	33.33	2.72	P	IN
-7.43	25.93	2.53	P	OUT
-7.34	26.92	2.46	P	OUT
-8.03	37.93	2.47	P	IN
-7.37	34.62	2.26	P	IN
-6.20	29.17	1.89	P	IN
-7.67	39.13	2.27	P	IN
-8.89	60.00	2.24	P	IN
-8.66	59.09	2.16	P	IN
-9.10	31.19	3.14	P	OUT
-9.26	58.62	2.44	P	IN
-8.49	56.52	2.15	P	IN

[illegible]

[illegible]

[illegible]

QL00680	(2-Carboxyethyl)-3-(((perfluoro-7-methyloctyl)2-hydroxypropyl)amino)propyldimethylammonium hydroxide	73353-25-0	C(NCCCN[+](CCC(O)=O)(C)C)C(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F.[OH-]	-9.43	27.14	3.40	P	OUT
QL00681	perfluoroalkylamido ammonium, n=14		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.53	44.62	3.41	P	OUT
QL00682	perfluoroalkylamido ammonium, n=12		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.09	42.37	3.27	P	OUT
QL00683	perfluoroalkylamido ammonium, n=11		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.93	41.07	3.23	P	OUT
QL00684	perfluoroalkylamido ammonium, n=10		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.58	39.62	3.12	P	IN
QL00685	perfluoroalkylamido ammonium, n=9		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.40	38.00	3.08	P	IN
QL00686	perfluoroalkylamido ammonium, n=8		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.99	36.17	2.95	P	IN
QL00687	perfluoroalkylamido ammonium, n=7		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.79	34.09	2.91	P	IN
QL00688	perfluoroalkylamido ammonium, n=6		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.31	31.71	2.76	P	OUT
QL00689	perfluoroalkylamido ammonium, n=5		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.02	28.95	2.71	P	OUT
QL00690	perfluoroalkylamido ammonium, n=4		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)F	-7.43	25.71	2.53	P	OUT
QL00691	perfluoroalkylamido ammonium, n=3		C(NCCCN(C)C)(=O)C(F)(F)C(F)(F)F	-6.98	21.88	2.44	P	OUT
QL00692	1-((3-(Dimethylamino)propyl)amino)-3-(perfluoro-7-methyloctyl)propan-2-ol	73353-26-1	C(NCCCN(C)C)C(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.10	32.76	3.09	P	OUT
QL00693	1-((3-(Dimethylamino)propyl)amino)-3-(perfluoro-11-methyldodecyl)propan-2-ol	94159-82-7	C(NCCCN(C)C)C(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.11	38.57	3.39	P	OUT
QL00694	1-((3-(Dimethylamino)propyl)amino)-3-(perfluorododecyl)propan-2-ol	94159-79-2	C(NCCCN(C)C)C(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.10	37.31	3.41	P	OUT
QL00695	1-((3-(Dimethylamino)propyl)amino)-3-(perfluorodecyl)propan-2-ol	94159-80-5	C(NCCCN(C)C)C(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.62	34.43	3.28	P	OUT
QL00696	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=15		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.13	60.38	3.24	P	OUT
QL00697	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=14		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.85	60.00	3.12	P	OUT
QL00698	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=13		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.72	59.57	3.07	P	OUT
QL00699	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=12		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.40	59.09	2.95	P	OUT
QL00700	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=11		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.26	58.54	2.89	P	OUT
QL00701	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=10		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.89	57.89	2.75	P	OUT
QL00702	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=9		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.71	57.14	2.69	P	IN
QL00703	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=8		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.27	56.25	2.52	P	IN
QL00704	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=7		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)F	-9.06	55.17	2.45	P	IN
QL00705	H-substituted Perfluoroalkyl (linear) carboxylic acids_i, n=6		C(O)(=O)C(F)C(F)(F)C(F)(F)C(F)(F)F	-8.52	53.85	2.24	P	IN

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QL00858	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptadecafluorononyl methacrylate (Perfluorohexyl)methyl	48077-33-4	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.00	43.59	2.74	P	IN
QL00859	methacrylate (6H-Perfluorohexyl)methyl	48076-44-4	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.24	39.39	2.52	P	IN
QL00860	methacrylate 2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl 2-methylprop-2-enoate	2261-99-6	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)F	-8.05	36.36	2.52	P	IN
QL00861	2,2,3,3,4,4,5,5,5-Nonafluoropentyl methacrylate	13173-36-9	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.96	36.67	2.47	P	IN
QL00862	1H,1H,5H-Perfluoropentyl methacrylate	59006-65-4	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)F	-7.29	33.33	2.26	P	IN
QL00863	1H,1H-Perfluorobutyl methacrylate	355-93-1	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)C(F)F	-7.08	29.63	2.27	P	IN
QL00864	1H,1H-Perfluoropropyl methacrylate	13695-31-3	CC(=C)C(=O)OCC(F)(F)C(F)(F)C(F)C(F)F	-6.75	29.17	2.13	P	IN
QL00865	1H,1H-Perfluoropropyl methacrylate	45115-53-5	CC(=C)C(=O)OCC(F)(F)C(F)(F)F	-5.82	23.81	1.86	P	OUT
QL00866	1H,1H,3H-Perfluorobutyl 2-methylacrylate	36405-47-7	CC(=C)C(=O)OCC(F)(F)C(F)C(F)(F)F	-6.53	25.00	2.15	P	OUT
QL00867	4,4,5,5,6,7,7,7-Octafluoro-2-hydroxy-6-(trifluoromethyl)heptyl 2-methylprop-2-enoate	16083-79-7	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)F	-7.50	29.73	2.46	P	OUT
QL00868	3-(Perfluoro-5-methylhexyl)-2-hydroxypropyl methacrylate (Perfluoro-7-methyloctyl)-2-hydroxypropyl 2-methylprop-2-enoate	16083-81-1	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.39	34.88	2.71	P	IN
QL00869	4,4,5,5,6,6,7,7,8,8,9,10,10,11,11-Heptadecafluoro-2-hydroxyundecyl 2-methylprop-2-enoate	88752-37-8	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.08	38.78	2.91	P	IN
QL00870	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-hydroxynonyl 2-methylprop-2-enoate	93706-76-4	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)F	-9.04	36.96	2.95	P	IN
QL00871	4,4,5,5,6,6,7,7,7-Nonafluoro-2-hydroxyheptyl 2-methylprop-2-enoate	86994-47-0	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)F	-8.35	32.50	2.76	P	IN
QL00872	(Perfluorocyclohexyl)methyl methacrylate	36915-03-4	CC(=C)C(=O)OCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.46	26.47	2.52	P	OUT
QL00873	2-(Perfluoro-3-methylbutyl)ethyl methacrylate	25965-83-7	CC(=C)C(=O)OCC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)C1(F)F	-7.28	35.48	2.20	P	IN
QL00874	3,3,4,4,5,5,6,6,7,7-Decafluorooctyl 2-methylprop-2-enoate	65195-44-0	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.49	33.33	2.35	P	IN
QL00875	(Perfluoro-5-methylhexyl)ethyl 2-methylprop-2-enoate	61915-92-2	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)C(F)F	-7.56	27.78	2.53	P	OUT
QL00876	102 Fluorotelomer methacrylate	50836-66-3	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.48	38.46	2.65	P	IN
QL00877	82 Fluorotelomer methacrylate	2144-54-9	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.74	43.75	3.07	P	IN
QL00878	3,3,4,4,5,5,5-Heptafluoropentyl 2-methylprop-2-enoate	1996-88-9	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)F	-9.16	40.48	2.90	P	IN
QL00879		2145-81-5	CC(=C)C(=O)OCCC(F)(F)C(F)(F)C(F)F	-6.73	25.93	2.21	P	OUT

QL00943	2-Methyl-2-trifluoromethylperfluoropentane 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Heptafluoro-2-methyldecanoic acid	100645-99-6	CC(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F
QL00944	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-7-methyl-7-nitrooctane	136022-86-1	CC(C(O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00945	heptafluoro-2,2-dimethyl-5-oxooct-3-en-3-olate (3Z)-6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-5-oxooct-3-en-3-olate (1/1/1) 1,1,1,2,2,3,3-heptafluoro-6-hydroxy-7,7-dimethyloct-5-en-4-one Silver, (6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato- β O3, β O5)- 1,1,1,2,2,3,3-Heptafluoro-6-hydroxy-7,7-dimethyloct-5-en-4-one--copper (2/1) Lead, bis(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato- β O, β O)-, (T-4)- (9Cl) Europium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato- β O3, β O5)- Erbium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato- β O3, β O5)- Neodymium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato- β O3, β O5)- Praseodymium, tris(6,6,7,7,8,8,8-heptafluoro-2,2-dimethyl-3,5-octanedionato-	84108-41-8	CC(C)([N+](=[O-])=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00946	N-{1-[3,5-Bis({[tert-butyl(dimethyl)silyl]oxy)methyl}phenyl]-2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptylidene}hydroxylamine	124053-49-2 62773-05-1 76121-99-8 38926-19-8 21600-78-1 17631-68-4 17978-75-5 17978-76-6 17978-77-7 18323-96-7 18323-97-1 18323-98-2 172424-98-3 19106-89-9 19186-73-3 80289-21-0	CC(C)/C(O)=C/C(C(F)(C(F)(F)F)F)=O)C
QL00947	1-[3,5-Bis({[tert-butyl(dimethyl)silyl]oxy)methyl}phenyl]-2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptylidene}hydroxylamine	1335496-61-1	CC(C)(C)[Si](C)(C)OCc1cc(CO[Si](C)(C)C(C)C)cc(c1C(=NO)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00948	1-[3,5-Bis({[tert-butyl(dimethyl)silyl]oxy)methyl}phenyl]-2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptan-1-one	1335496-60-0	CC(C)(C)[Si](C)(C)OCc1cc(CO[Si](C)(C)C(C)C)cc(c1C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00949	6,6,7,7,8,8,8-Heptafluoro-2,2-dimethyl-3,4,5-octanetrione 4-(4-nitrophenyl)hydrazone	80284-51-1	CC(C)(C)C(=O)C(=NNC1=CC=C(C=C1)[N+](=[O-])=O)C(F)(F)C(F)(F)C(F)(F)F
QL00950	6,6,7,7,8,8,9,9-Nonafluoro-2,2-dimethylnon-4-en-3-one	105602-69-5	CC(C)(C)C(=O)C=CC(F)(F)C(F)(F)C(F)(F)F
QL00951	(Heptafluorobutanoyl)pivaloylmetane	17587-22-3	CC(C)(C)C(=O)CC(=O)C(F)(F)C(F)(F)F
QL00952	4H,4H-Perfluoro-6,6-dimethylheptane-3,5-dione	2145-68-8	CC(C)(C)C(=O)CC(=O)C(F)(F)C(F)(F)F
QL00953	1,1-Difluoro-5,5-dimethyl-1-(trifluoromethoxy)hexane-2,4-dione	61894-06-2	CC(C)(C)C(=O)CC(=O)C(F)(F)OC(F)(F)F
QL00954	1,1,1,2,2,3,3,4,4-Nonafluoro-6-iodo-7,7-dimethyloctane	1464148-69-3	CC(C)(C)C(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL00955	6-Amino-1,1,1,2,2,3,3-heptafluoro-7,7-dimethyloct-5-en-4-one	188838-46-2	CC(C)(C)C(N)=CC(=O)C(F)(F)C(F)(F)C(F)(F)F

-7.52	56.52	1.72	P	IN
-8.80	48.57	2.52	P	IN
-7.77	41.94	2.24	P	IN
-6.43	23.33	2.15	P	OUT
-7.58	15.48	2.89	P	OUT
-7.60	15.85	2.88	P	OUT
-7.15	15.91	2.68	P	OUT
-6.93	28.13	2.24	P	OUT
-6.43	23.33	2.15	P	OUT
-5.54	18.52	1.88	P	OUT
-6.08	17.86	2.15	P	OUT
-6.95	31.25	2.17	P	IN
-6.38	22.58	2.15	P	OUT

QL00979	N-[(2S)-2-Amino-3-methylbutyl]-1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonamide N,N-Dimethyl-N-(propan-2-yl)propan-2-aminium	1417316-15-4	CC(C)[C@H](N)CNS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.24	25.00	2.47	P	OUT
QL00980	nonafluorobutane-1-sulfonate (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafluorododecyl)di(propan-2-yl)silane ((Perfluorooctyl)ethyl)di(propan-2-yl)silane	374571-81-0	CC(C)[N+](C)(C)C(C)C.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.17	19.57	2.14	P	OUT
QL00981	Di(propan-2-yl)(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	356056-16-1	CC(C)[SiH](CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(C)C	-8.91	35.59	2.93	P	IN
QL00982	Di(propan-2-yl)(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)silane	356056-15-0	CC(C)[SiH](CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(C)C	-8.25	32.08	2.73	P	OUT
QL00983	Nonafluorohexyl)di(propan-2-yl)silane	356056-14-9	CC(C)[SiH](CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(C)C	-7.46	27.66	2.49	P	OUT
QL00984	6-(1-Methylethylidene)-5-(triphenylphosphoranlydene)-(perfluoro)-nonan-4-one	356056-13-8	CC(C)[SiH](CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(C)C	-6.50	21.95	2.22	P	OUT
QL00985	7,7,8,8,9,9-Heptafluoro-2-methylnon-2-ene-4,6-dione	139225-92-6	CC(C)=C(C(C(=O)C(F)(F)C(F)C(F)F)=P(C1=CC=CC=C1)(C1=CC=CC=C1)C1=CC=CC=C1)C(F)(F)C(F)(F)F	-6.56	20.90	2.28	P	OUT
QL00986	5,6,6,7,7,8,8-Octafluoro-2-methylocta-2,4-diene	559-99-9	CC(C)=CC(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.75	25.00	2.25	P	OUT
QL00987	5,5,6,6,7,7,8,8-Nonafluoro-2-methyloct-2-ene	90292-28-7	CC(C)=CC=C(C(F)(F)C(F)(F)C(F)(F)F	-7.04	32.00	2.18	P	IN
QL00988	2-Methylprop-1-en-1-yl	97294-02-5	CC(C)=CCC(F)(F)C(F)(F)C(F)(F)F	-7.14	33.33	2.19	P	IN
QL00989	nonafluorobutane-1-sulfonate 1,1,1,2-Tetrafluoro-4-methyl-2-(trifluoromethyl)pentan-3-one	84224-48-6	CC(C)=COS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.18	32.14	2.24	P	IN
QL00990	3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl 2-methylpropanoate	62656-72-8	CC(C)C(=O)C(F)(C(F)(F)C(F)(F)F	-5.29	31.82	1.40	P	IN
QL00991	3,3,4,4,5,5,6,6-Nonafluorohexyl 2,2-difluoro-3-hydroxy-4-methylpentanoate	242812-05-1	CC(C)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	34.21	2.71	P	IN
QL00992	1-(1,3-Dimethylbutoxy)-2-(perfluorohexyl)ethane	1370345-78-0	CC(C)C(O)C(F)(F)C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.75	28.21	2.61	P	OUT
QL00993	3-Methylbutyl heptadecafluorononanoate	210896-25-6	CC(C)CC(C)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.14	28.89	2.76	P	OUT
QL00994	3-Methylbutyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	117374-32-0	CC(C)CCOC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.04	38.64	2.90	P	IN
QL00995	Diisopentyl 2-[(2,2,3,3,4,4-heptafluorobutanoyl)amino]succinate	183873-56-5	CC(C)CCOC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	30.56	2.53	P	OUT
QL00996	2,2,3,3,4,4,4-Heptafluoro-N-bis(2-methylpropyl)butanamide	75743-06-5	CC(C)CCOC(=O)CC(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)C(=O)OCCC(C)C	-7.01	12.28	2.72	P	OUT
QL00997	2,2,3,3,4,4,4-Heptafluoro-N-(2-methylpropyl)butanamide	336-30-1	CC(C)CN(CC(C)C)C(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.04	17.95	2.12	P	OUT
QL00998	Tris(2-methylpropyl) 3-(2,2,3,3,4,4-heptafluorobutanamido)propane-1,1,3-tricarboxylate	75668-25-6	CC(C)CNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.66	25.93	2.18	P	OUT
QL00999	2-Methylpropyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	95654-14-1	CC(C)COC(=O)C(C(C(=O)OCC(C)C)C(=O)OCC(C)C)NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.84	10.14	2.70	P	OUT
QL01000	2-Methylpropyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	183873-54-3	CC(C)COC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	33.33	2.45	P	IN

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QL01064	1,1,1-Trifluoropropan-2-yl nonafluorobutane-1-sulfonate	118334-94-4	CC(OS(=O)(=O)C(F)(F)C(F)C(F)C(F)C(F)C(F)F	-7.92	44.44	2.24	P	IN
QL01065	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl 4'-[(2S)-2-methylbutyl][1,1'-biphenyl]-4-carboxylate	118826-52-1	CC[C@H](C)CC1ccc(cc1)-c1ccc(cc1)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.39	23.44	3.48	P	OUT
QL01066	N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	25628-08-4	CC[N+](CC)(CC)C(C)OS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.88	20.00	2.45	P	OUT
QL01067	N,N,N,-Triethylethanaminium pentadecafluorooctanoate	98241-25-9	CC[N+](CC)(CC)CC.[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.25	27.78	2.85	P	OUT
QL01068	Tetraethylammonium perfluoroisooctanesulfonate	93894-70-3	CC[N+](CC)(CC)CC.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.24	29.31	2.80	P	OUT
QL01069	tetraethylammonium heptadecafluorooctanesulphonate	56773-42-3	CC[N+](CC)(CC)CC.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.65	29.31	2.98	P	OUT
QL01070	1-Ethyl-3-methylpyridin-1-ium nonafluorobutane-1-sulfonate	1015420-87-7	CC[n+](CCCC(C)C1.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-5.90	23.68	1.90	P	OUT
QL01071	N,N-Diethylethanaminium heptadecafluorononanoate	327176-80-7	CC[NH+](CC)CC.[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.86	33.33	2.97	P	OUT
QL01072	Triethylaminium perfluoro-2-propoxypropanoate	165951-18-8	CC[NH+](CC)CC.[O-]C(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.10	25.58	2.39	P	OUT
QL01073	Triethylaminium perfluoro-2-(2-propoxypropoxy)propanoate	165951-19-9	CC[NH+](CC)CC.[O-]C(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.68	32.08	2.92	P	OUT
QL01074	N,N-diethylethanaminium (perfluorooctyl)ethylphosphonate (11)	92678-96-1	CC[NH+](CC)CC.OP([O-])(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.97	28.81	3.14	P	OUT
QL01075	Perfluoro-11-methyldodecanoic acid compd. with ethanamine	68015-87-2	CC[NH3+].[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.84	49.02	2.97	P	IN
QL01076	Perfluoro-13-methyltetradecanoic acid compd. with ethanamine	68052-68-6	CC[NH3+].[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.34	50.88	3.14	P	OUT
QL01077	(2S)-2-[Bis[4-(heptadecafluorooctyl)phenyl]][(triethylsilyl)oxy]methyl]pyrrolidine	914391-37-0	CC[Si](CC)(CC)OC([C@@H]1CCCN1)(c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.39	31.78	3.70	P	OUT
QL01078	[(4-{3-[(3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctyl)sulfanyl]propyl}-1,2-phenylene)bis(oxy)]bis(triethylsilane)	1637311-39-7	CC[Si](CC)(CC)Oc1ccc(CCCSCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.28	14.44	3.23	P	OUT
QL01079	1,1,1,2-Tetrafluoro-2-(trifluoromethyl)hex-4-en-3-one	184711-88-4	CC=CC(=O)C(F)(C(F)(F)F)C(F)(F)F	-6.25	35.00	1.75	P	IN
QL01080	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-Heptadecafluoroundec-2-ene (2E)-	67103-04-2	CC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.95	51.52	2.50	P	IN
QL01081	4,4,5,5,6,6,7,7,8,8,9,9,10,10-Pentadecafluorodec-2-ene	89889-22-5	CC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.73	50.00	2.44	P	IN
QL01083	4,4,5,5,6,6,7,7,8,8,9,9- Tridecafluoro-2-nonene	63967-46-4	CC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.14	48.15	2.23	P	IN
QL01085	1-Propenylperfluoropropane	355-95-3	CC=CC(F)(F)C(F)(F)C(F)(F)F	-6.73	38.89	1.85	P	IN
QL01086	1,1,1,2,2,3,3,4,4-Nonafluoro-4-(prop-1-ene-1-sulfonyl)butane	66406-80-2	CC=CS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.35	37.50	2.17	P	IN
QL01087	Bis-(1H,1H,7H-perfluoroheptyl) (1S,3R)-camphorate	2355-57-9	CC1(C)[C@@H](CC[C@]1(C)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.90	33.33	3.43	P	OUT
QL01088	Bicyclo[2.2.1]heptan-2-one, 3-(2,2,3,3,4,4,4-heptafluoro-1-hydroxybutylidene)-1,7,7-trimethyl-, (1R,4S)-	63180-06-3	CC1(C)[C@@H]2CC[C@]1(C)C(=O)C2=C(O)C(F)(F)C(F)(F)C(F)(F)F	-6.02	18.42	2.10	P	OUT
QL01089	(1S,4S)-3-(Heptafluorobutyl)camphor	115224-00-5	CC1(C)[C@@H]2CC[C@]1(C)C(=O)C2C(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.02	18.42	2.10	P	OUT

QL01090	N'-(3,3-Dimethyl-3,4-dihydroisoquinolin-1-yl)-2,2,3,3,4,4,4-heptafluorobutanehydrazide	304435-60-7	CC1(C)Cc2cccc2C(NNC(=O)C(F)(F)C(F)(F)F)=N1	-6.65	17.50	2.41	P	OUT
QL01091	4,4,5,5-Tetramethyl-2-[5-(tridecafluorohexyl)thiophen-2-yl]-1,3,2-dioxaborolane	1338083-27-4	CC1(C)OB(OC1(C)C)C1ccc(s1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.00	27.66	2.74	P	OUT
QL01092	4-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Hepta-decafluorononyl)-2,2-dimethyl-1,3-dioxolane	94159-88-3	CC1(C)OCC(CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)O1	-8.70	38.64	2.75	P	IN
QL01093	1-Methyl-N-(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)cyclopentane-1-carboxamide	1440968-23-9	CC1(CCCC1)C(=O)NS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.17	24.32	2.45	P	OUT
QL01094	3-[(2,2,3,3,4,4,4-Heptafluorobutoxy)methyl]-3-methyloxetane	156294-55-2	CC1(COCC(F)(F)C(F)(F)C(F)(F)COC1	-6.58	24.14	2.20	P	OUT
QL01095	Oxetane, 3-methyl-3-[[[3,3,4,4,5,5,6,6,6-nonafluorohexyl]oxy]methyl]-	475678-78-5	CC1(COCCCF(F)(F)C(F)(F)C(F)(F)C(F)(F)COC1	-7.31	25.71	2.48	P	OUT
QL01096	4-(2,2,3,3,4,4,4-Heptafluorobutoxy)-1,2-dimethylpyridin-1-ium	140160-19-6	CC1=[N+](C)C=CC(OCC(F)(F)C(F)(F)C(F)(F)F)=C1	-6.99	22.58	2.42	P	OUT
QL01097	3-(Heptafluoropropyl)-5-methyl-4-nitro-1H-pyrazole	82633-69-0	CC1=C(C(=NN1)C(F)(F)C(F)(F)C(F)(F)F)[N+][O-]	-6.31	30.43	1.90	P	IN
QL01098	5-(Heptafluoropropyl)-6-methylpyrimidine-2,4(1H,3H)-dione	145663-05-4	CC1=C(C(=O)NC(=O)N1)C(F)(F)C(F)(F)C(F)(F)F	-6.73	29.17	2.12	P	IN
QL01099	3,3'-(Perfluoro-1-cyclopentene-1,2-diyl)bis(2,5-dimethylthiophene)	190394-25-3	CC1=CC(=C(C)S1)C1=C(C2=C(C)C(S)C(C)=C2)C(F)(F)C(F)(F)C1(F)F	-5.76	15.38	2.07	P	OUT
QL01100	3-(Perfluoro-1-hexyl)-5-(methyl)pyrazole	129257-23-4	CC1=CC(=NN1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	43.33	2.45	P	IN
QL01101	3-(Perfluoropentyl)-5-methylpyrazole	82633-43-0	CC1=CC(=NN1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.71	40.74	2.24	P	IN
QL01102	3-(Heptafluoropropyl)-5-methyl-1H-pyrazole	75823-64-2	CC1=CC(=NN1)C(F)(F)C(F)(F)C(F)(F)F	-6.54	33.33	1.92	P	IN
QL01103	Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0	CC1=CC(C)=C([S+](C2=CC=CC=C2)C2=CC=CC=C2)C(C)=C1.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.12	23.61	2.45	P	OUT
QL01104	2,2,3,3,4,4,5,5-Nonafluoro-1-(4-methylphenyl)pentan-1-one	647-60-9	CC1=CC=C(C=C1)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.59	31.03	2.46	P	IN
QL01105	2,2,3,3,4,4,4-Heptafluoro-1-(4-methylphenyl)butan-1-one	559-92-2	CC1=CC=C(C=C1)C(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.91	26.92	2.27	P	OUT
QL01106	4-(Heptafluoroisopropyl)toluene	2396-26-1	CC1=CC=C(C=C1)C(F)(C(F)(F)C(F)(F)F	-6.24	29.17	1.90	P	IN
QL01108	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl 4-methylbenzene-1-sulfonate	24962-65-0	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.92	34.88	2.95	P	IN
QL01109	1H,1H,7H-Perfluoroheptyl 4-methylbenzenesulfonate	424-16-8	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.41	30.00	2.86	P	OUT
QL01110	1h,1h-perfluorohexyl p-toluenesulfonate	355-77-1	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.07	29.73	2.71	P	OUT
QL01111	1h,1h-nonafluoropentyl p-toluenesulfonate	883499-79-4	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.79	26.47	2.68	P	OUT
QL01112	2,2,3,3,4,4,4-Heptafluorobutyl 4-methylbenzene-1-sulfonate	312-66-3	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)C(F)(F)F	-7.24	22.58	2.53	P	OUT
QL01113	2,2,3,3,3-Pentafluoropropyl 4-methylbenzene-1-sulfonate	565-42-4	CC1=CC=C(C=C1)S(=O)(=O)OCC(F)(F)C(F)(F)F	-6.83	17.86	2.48	P	OUT

QL01114	1,3-Diethyl-2-methyl-5-[(perfluorohexyl)sulfonyl]-1H-benzimidazolium 4-methylbenzenesulfonate	76848-68-5	CC1=CC=C(C=C1)S(O)(=O)=O.CCN1C(C)[NH+](CC)C2=C1C=CC(=C2)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.99	17.81	3.46	P	OUT
QL01115	1-Methyl-2-(nonafluorobutyl)benzene	93697-09-7	CC1=CC=CC=C1C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.08	33.33	2.17	P	IN
QL01116	(2-methylphenyl) 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	42096-33-3	CC1=CC=CC=C1OS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.46	29.03	2.45	P	OUT
QL01117	6-Methyl-2-(undecafluoropentyl)-1,3-benzoxazole	93416-26-3	CC1=CC2=C(C=C1)N=C(O2)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.95	34.38	2.53	P	IN
QL01118	(4-Bromophenyl){5-[difluoro(trifluoromethoxy)methyl]-5-hydroxy-3-methyl-4,5-dihydro-1H-pyrazol-1-yl}methanone	722470-55-5	CC1=NN(C(=O)c2ccc(Br)cc2)C(O)(C1)C(F)(F)OC(F)(F)F	-6.76	17.65	2.46	P	OUT
QL01119	Orthobutyric acid, heptafluoro-, cyclic ester with 2-(hydroxymethyl)-2-methyl-1,3-propanediol (11)	31185-67-8	CC12COC(OC1)(OC2)C(F)(F)C(F)(F)C(F)(F)F	-6.57	25.00	2.17	P	OUT
QL01120	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methyl-3-(2-methylpropane-2-sulfonyl)benzoic acid	1355554-59-4	Cc1c(ccc(c1S(=O)(=O)C(C)(C)C)C(F)(C(F)(F)F)C(F)(F)C(O)=O	-5.94	16.67	2.11	P	OUT
QL01121	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methyl-3-(2-methylpropane-2-sulfinyl)benzoic acid	1355554-39-0	Cc1c(ccc(c1S(=O)C(C)(C)C)C(F)(C(F)(F)F)C(F)(F)C(O)=O	-5.97	17.07	2.12	P	OUT
QL01122	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-3-(methanesulfonyl)-2-methylbenzoic acid	1355554-41-4	Cc1c(ccc(c1S(C)(=O)=O)C(F)(C(F)(F)F)C(F)(F)C(O)=O	-6.38	21.21	2.19	P	OUT
QL01123	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-3-(methanesulfinyl)-2-methylbenzoic acid	1355554-19-6	Cc1c(ccc(c1S(C)=O)C(F)(C(F)(F)F)C(F)(F)C(O)=O	-6.43	21.88	2.19	P	OUT
QL01124	3-(tert-Butylsulfonyl)-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-methylbenzoic acid	1355554-16-3	Cc1c(ccc(c1SC(C)(C)C)C(F)(C(F)(F)F)C(F)(F)C(O)=O	-5.99	17.50	2.11	P	OUT
QL01125	3-Methyl-2-(nonafluorobutyl)-1H-indole	1622133-36-1	Cc1c(Nc2ccccc12)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.00	29.03	2.25	P	OUT
QL01126	2-(Heptafluoropropyl)-3-methyl-1H-indole	1030606-42-8	Cc1c(Nc2ccccc12)C(F)(F)C(F)(F)C(F)(F)F	-6.53	25.00	2.15	P	OUT
QL01127	5-Methyl-6-[(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl)sulfonyl]hexahydro-4,7-methano-2-benzofuran-1,3-dione	94413-32-8	CC1C2CC(C1SCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1C2C(=O)OC1=O	-8.24	26.00	2.89	P	OUT
QL01128	6-[[4,6-Dimethylpyrimidin-2-yl)sulfonyl]-3-(heptafluoropropyl)[1,2,4]triazolo[4,3-b]pyridazine	351346-36-6	Cc1cc(C)nc(Sc2ccc3nnc(n3n2)C(F)(F)C(F)(F)C(F)(F)F)n1	-7.34	18.92	2.68	P	OUT
QL01129	2-Bromo-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-6-methylaniline	1770825-71-2	Cc1cc(cc(Br)c1N)C(F)(C(F)(F)F)C(F)(F)F	-6.33	30.77	1.90	P	IN
QL01130	2-Bromo-5-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-1,3-dimethylbenzene	353272-55-6	Cc1cc(cc(C)c1Br)C(F)(C(F)(F)F)C(F)(F)F	-6.26	29.63	1.90	P	IN

QL01131	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2,6-dimethylbenzaldehyde	1771743-29-3	Cc1cc(cc(C)c1C=O)C(F)(C(F)(F)F)C(F)(F)F	-6.59	24.14	2.20	P	OUT
QL01132	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2,6-dimethylaniline	273735-43-6	Cc1cc(cc(C)c1N)C(F)(C(F)(F)F)C(F)(F)F	-5.92	24.14	1.90	P	OUT
QL01133	3-Benzamido-2,6-difluoro-N-[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]benzamide	862133-36-6	Cc1cc(cc(C)c1NC(=O)c1c(F)ccc(NC(=O)c2cccc2)c1F)C(F)(C(F)(F)F)C(F)(F)F	-8.09	16.36	3.09	P	OUT
QL01134	5-Benzamido-2,4-dibromo-N-[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]benzamide	862133-37-7	Cc1cc(cc(C)c1NC(=O)c1cc(NC(=O)c2cccc2)c(Br)cc1Br)C(F)(C(F)(F)F)C(F)(F)F	-8.07	16.36	3.08	P	OUT
QL01135	2,4-Difluoro-N-(2-fluoro-5-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862133-29-7	Cc1cc(cc(C)c1NC(=O)c1ccc(F)c(NC(=O)c2ccc(F)cc2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.44	18.18	3.20	P	OUT
QL01136	2,3,4,5,6-Pentafluoro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862130-96-9	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2c(F)c(F)c(F)c2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.62	21.82	3.18	P	OUT
QL01137	2,3,6-Trifluoro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862130-95-8	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2c(F)ccc(F)c2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.09	18.18	3.04	P	OUT
QL01138	2,5-Difluoro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862130-67-4	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2cc(F)ccc2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.01	16.36	3.05	P	OUT
QL01139	4-Chloro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)-2-nitrobenzamide	862130-91-4	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(Cl)cc2[N+]([O-])=O)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.14	14.04	3.18	P	OUT
QL01140	3-(4-Chloro-2-nitrobenzamido)-2-fluoro-N-[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]benzamide	862133-18-4	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(Cl)cc2[N+](O-)=O)c1F)C(F)(C(F)(F)F)C(F)(F)F	-8.25	15.79	3.18	P	OUT
QL01141	2,4-Dichloro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862130-69-6	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(Cl)cc2Cl)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.31	16.36	3.19	P	OUT
QL01142	4-Chloro-2-fluoro-N-(3-[[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]carbamoyl]phenyl)benzamide	862130-90-3	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(Cl)cc2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.31	16.36	3.19	P	OUT
QL01143	3-(4-Chloro-2-fluorobenzamido)-2-fluoro-N-[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]benzamide	862133-16-2	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(Cl)cc2F)c1)C(F)(C(F)(F)F)C(F)(F)F	-8.42	18.18	3.19	P	OUT
QL01144	2-Fluoro-3-(4-fluoro-2-nitrobenzamido)-N-[4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)]-2,6-dimethylphenyl]benzamide	862133-14-0	Cc1cc(cc(C)c1NC(=O)c1cccc(NC(=O)c2ccc(F)cc2[N+](O-)=O)c1F)C(F)(C(F)(F)F)C(F)(F)F	-8.25	15.79	3.18	P	OUT

QL01293	1,1,1,2,2,3,3,4,4,5,5,6-Dodecafluorododec-6-ene	92610-11-2	CCCCC=C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.31	33.33	2.72	P	IN
QL01294	1,1,1,2,2,3,3,4-Octafluorodec-4-ene	90292-32-3	CCCCC=C(F)C(F)(F)C(F)(F)C(F)(F)F	-7.33	26.67	2.46	P	OUT
QL01295	(6E)-8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Heptadecafluoropentadec-6-ene	350608-65-0	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.10	37.78	2.95	P	IN
QL01296	8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Pentadecafluorotetradec-6-ene	38787-60-9	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.92	35.71	2.93	P	IN
QL01297	(6E)-8,8,9,9,10,10,11,11,12,12,13,13,13-Tridecafluorotridec-6-ene	350608-60-5	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.44	33.33	2.78	P	IN
QL01298	1,1,1,2,2,3,3,4,4-Nonafluoroundec-5-ene	383145-46-8	CCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.50	27.27	2.52	P	OUT
QL01299	(4E)-1,1,1,2,2,3,3-Heptafluorodec-4-ene	57325-42-5	CCCCC=CC(F)(F)C(F)(F)C(F)(F)F	-7.07	23.33	2.44	P	OUT
QL01300	5-Pentyl-2-[4-(tridecafluorohexyl)phenyl]pyridine	139030-54-9	CCCCC1ccc(nc1)-c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.05	24.07	3.31	P	OUT
QL01301	Octan-2-yl heptafluorobutanoate	560-01-0	CCCCC(C)OC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.35	18.42	2.70	P	OUT
QL01302	1-bromo-1,1,2,2-tetrafluorooctane	231630-92-5	CCCCC(C)(F)C(F)(F)Br	-6.20	19.23	2.16	P	OUT
QL01303	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuorooctadecane	89109-70-6	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.14	44.64	3.23	P	OUT
QL01304	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafluorohexadecane	116177-54-9	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.63	42.00	3.07	P	IN
QL01305	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluorotetradecane	182130-14-9	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.05	38.64	2.91	P	IN
QL01306	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluorotridecane	169331-74-2	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.59	36.59	2.75	P	IN
QL01307	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorododecane	69125-80-0	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.38	34.21	2.72	P	IN
QL01308	1,1,1,2,2,3,3,4,4,5,5-Undecafluoroundecane	1287702-50-4	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.82	31.43	2.55	P	IN
QL01309	1,1,1,2,2,3,3,4,4-Nonafluorodecane	1190430-19-3	CCCCC(C)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.41	28.13	2.46	P	OUT
QL01310	1,1,1,2,2,3,3-Heptafluorononane	755-89-5	CCCCC(C)(F)C(F)(F)C(F)(F)F	-6.70	24.14	2.25	P	OUT
QL01311	(5E)-1,1,1,2,2,3,3,4,4-Nonafluoro-6-iodododec-5-ene	109574-88-1	CCCCC(I)=C/C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.92	27.78	2.70	P	OUT
QL01312	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuoro-14-iodoicosane	93454-69-4	CCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.31	41.94	3.38	P	OUT
QL01313	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafuoro-12-iodooctadecane	129838-40-0	CCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.84	39.29	3.24	P	IN
QL01314	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iodohexadecane	96791-81-0	CCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.32	36.00	3.10	P	OUT
QL01315	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluoro-9-iodopentadecane	918-32-1	CCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.90	34.04	2.97	P	OUT
QL01316	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-iodotetradecane	109574-84-7	CCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.60	31.82	2.89	P	OUT

[illegible]

QL01366	1,1,1,2,2,3,3,4,4-Nonafluoro-6-iodohexadecane (9E)-	1789721-11-4	CCCCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)F	-8.24	20.00	3.06	P	OUT
QL01367	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-Heptadecafluoroicos-9-ene (7E)-1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluorooctadec-7-ene	124921-25-1	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.45	28.33	3.37	P	OUT
QL01368	1,1,1,2,2,3,3,4,4-Nonafluorohexadec-5-ene	125081-49-4	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.83	24.07	3.21	P	OUT
QL01369	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuorotricosane	131851-20-2	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.13	18.75	3.04	P	OUT
QL01370		677324-31-1	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.28	35.21	3.55	P	OUT
QL01371	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafuorohenicosane	125635-86-1	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.85	32.31	3.44	P	OUT
QL01372	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-Heptadecafluorononadecane	931415-53-1	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.28	28.81	3.28	P	OUT
QL01373	Tetradecanoic acid, 1,1'-(methyl(3,3,4,4,5,5,6,6,6-nonafluoroheptyl)silylene) ester	94094-26-5	CCCCCCCCCCCCC(C(=O)=O)[Si](C)(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(CCCCCCCCCC)C(=O)=O	-8.76	8.18	3.62	P	OUT
QL01374	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-Heptacosafuoropentacosane	677324-22-0	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.53	35.06	3.67	P	OUT
QL01375	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuorotetracosane	89109-71-7	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.42	33.78	3.66	P	OUT
QL01376	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-Tricosafuorotricosane	677324-21-9	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.14	32.39	3.57	P	OUT
QL01377	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafuorodocosane	93454-71-8	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.94	30.88	3.52	P	OUT
QL01378	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Nonadecafluorohenicosane	677324-20-8	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.62	29.23	3.42	P	OUT
QL01379	1-(Perfluoro-n-octyl)dodecane	106873-67-0	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.39	27.42	3.37	P	OUT
QL01380	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7-Pentadecafluorononadecane	109856-51-1	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.03	25.42	3.26	P	OUT
QL01381	1-(Perfluoro-n-hexyl)dodecane	90499-30-2	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.78	23.21	3.21	P	OUT
QL01382	1,1,1,2,2,3,3,4,4-Nonafluorohexadecane	106873-68-1	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)F	-8.08	18.00	3.04	P	OUT
QL01383	1,1,1,2,2,3,3-Heptafluoropentadecane	106873-69-2	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)F	-7.60	14.89	2.91	P	OUT
QL01384	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Henicosafuoro-12-iodotetracosane	1257261-92-9	CCCCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.13	29.73	3.64	P	OUT
QL01385	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododocosane	176979-18-3	CCCCCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.63	26.47	3.50	P	OUT
QL01386	2-(o-Cyanophenoxy)-3'-hydroxy-4'-(perfluorobutyl)aminotetradecanilide	117844-18-5	CCCCCCCCCCC(OC1=CC=CC=C1#N)C(O)=N/C1=CC(O)=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)C=C1	-8.73	8.64	3.59	P	OUT
QL01387	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-Heptadecafluorodocos-9-ene	118642-84-5	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.56	25.76	3.49	P	OUT
QL01388	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoroicos-7-ene	160460-04-8	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.99	21.67	3.35	P	OUT
QL01389	1,1,1,2,2,3,3,4,4-Nonafluorooctadec-5-ene	160460-03-7	CCCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.35	16.67	3.20	P	OUT
QL01390	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafuoropentacosane	116177-47-0	CCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.40	32.47	3.68	P	OUT

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QL01487	Butyl pentadecafluorooctanoate	307-96-0	CCCCOC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.76	39.47	2.75	P	IN
QL01488	Butyl heptafluorobutanoate	1559-07-5	CCCCOC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.94	26.92	2.28	P	OUT
QL01489	Butyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	147224-18-8	CCCCOC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-7.90	33.33	2.53	P	IN
QL01490	Butyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate	145510-89-0	CCCCOC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)F	-8.92	39.53	2.82	P	IN
QL01492	N-(Perfluoro-1-oxobutyl)aspartic acid 1-butyl ester	88434-83-7	CCCCOC(O)[C@H](CC(O)=O)NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.28	17.07	2.71	P	OUT
QL01493	1-(2-(2-Butoxyethoxy)ethoxy)3-(perfluorooctyl)propan-2-ol	94158-61-9	CCCCOCCOCCOCC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.66	26.98	3.50	P	OUT
QL01494	Phosphinic acid, dibutyl-, 4-(2,2,3,3,4,4,4-heptafluorobutyl)phenyl ester	7526-47-8	CCCCP(=O)(CCCC)OC1=CC=C(CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-7.47	13.46	2.89	P	OUT
QL01495	3-(Butane-1-sulfonyl)-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-methylbenzoic acid	1355554-53-8	CCCCS(=O)(=O)c1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-6.11	16.67	2.19	P	OUT
QL01496	3-(Butane-1-sulfonyl)-2-ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzoic acid	1355555-19-9	CCCCS(=O)(=O)c1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-6.03	15.56	2.19	P	OUT
QL01497	3-(Butane-1-sulfinyl)-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-methylbenzoic acid	1355554-30-1	CCCCS(=O)c1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-6.10	17.07	2.18	P	OUT
QL01498	3-(Butane-1-sulfinyl)-2-ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzoic acid	1355554-97-0	CCCCS(=O)c1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-6.02	15.91	2.17	P	OUT
QL01499	3-(Butylsulfonyl)-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-methylbenzoic acid	1355554-07-2	CCCCSc1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-6.06	17.50	2.15	P	OUT
QL01500	3-(Butylsulfonyl)-2-ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzoic acid	1355554-72-1	CCCCSc1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.97	16.28	2.14	P	OUT
QL01501	1-(Butylsulfonyl)-3,4,4,5,5,6,6,6-octafluorohex-2-ene	90292-35-6	CCCCSCC=C(F)C(F)(F)C(F)(F)C(F)(F)F	-7.41	25.81	2.52	P	OUT
QL01502	N-[[Heptadecafluorooctyl)sulfonyl]-N-propylglycine	66551-19-7	CCCN(CC(O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F.CCCN(CC(O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.59	36.96	2.75	P	IN
QL01503	N-(2,3-Dihydroxypropyl)-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-propyloctane-1-sulfonamide	2262-49-9	CCCN(CC(O)CO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.69	33.33	2.89	P	OUT
QL01504	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-N-[[oxiran-2-yl)methyl]-N-propyloctane-1-sulfonamide	77620-64-5	CCCN(CC1CO1)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.50	35.42	2.75	P	IN
QL01505	Poly(oxy-1,2-ethanediy), .alpha.-[2-[[[(perfluorooctyl)sulfonyl]propylamino]ethyl]-.omega.-hydroxy-2,2,3,3,4,4,4-Heptafluoro-N-propylbutanamide	52550-45-5	CCCN(CCOCCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.00	31.48	3.08	P	OUT
QL01506		75668-24-5	CCCN(C=O)C(F)(F)C(F)(F)C(F)(F)F	-6.91	29.17	2.20	P	OUT

QL01507	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)	165951-17-7	CCCNCCC.OC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.47	25.58	2.11	P	OUT
QL01508	4,5,5,5-Tetrafluoro-4-(1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]-N-propylpentan-1-amine (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)(tripropoxy)silane	928655-42-9	CCCNCCCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.79	39.66	3.21	P	IN
QL01509		521084-64-0	CCCC[Si](CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)(OCCC)OCCC	-8.34	26.15	2.93	P	OUT
QL01510	N-(Perfluoro-1-oxobutyl)aspartic acid 1-propyl ester	88436-09-3	CCCOC(=O)[C@H](CC(O)=O)NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.98	19.44	2.51	P	OUT
QL01511	Propyl heptadecafluorononanoate	99156-01-1	CCCOC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.06	44.74	2.74	P	IN
QL01512	Heptanoic acid, tridecafluoro-, propyl ester	134638-94-1	CCCOC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.32	40.63	2.52	P	IN
QL01513	Propyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	147224-16-6	CCCOC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.94	36.67	2.46	P	IN
QL01514	Propyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate	145510-87-8	CCCOC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.79	42.50	2.68	P	IN
QL01515	1,1,1,2,2,3,3,4,4-Nonafluoro-4-propoxybutane	72372-80-6	CCCOC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.43	37.50	2.21	P	IN
QL01516	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-8-propoxyoctane	1193010-01-3	CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.49	36.11	2.72	P	IN
QL01517	1,1,1,2,2,3,3,4,4-Nonafluoro-6-propoxyhexane	1193009-98-1	CCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.53	30.00	2.46	P	OUT
QL01518	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methyl-3-(propane-1-sulfonyl)benzoic acid	1355554-46-9	CCCS(=O)(=O)c1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.91	17.95	2.07	P	OUT
QL01519	2-Ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-3-(propane-1-sulfonyl)benzoic acid	1355555-13-3	CCCS(=O)(=O)c1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.83	16.67	2.07	P	OUT
QL01520	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methyl-3-(propane-1-sulfonyl)benzoic acid	1355554-25-4	CCCS(=O)c1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.95	18.42	2.07	P	OUT
QL01521	2-Ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-3-(propane-1-sulfonyl)benzoic acid	1355554-90-3	CCCS(=O)c1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.86	17.07	2.07	P	OUT
QL01522	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-methyl-3-(propylsulfonyl)benzoic acid	1355554-03-8	CCCScc1c(C)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.98	18.92	2.07	P	OUT
QL01523	2-Ethyl-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-3-(propylsulfonyl)benzoic acid	1355554-68-5	CCCScc1c(CC)c(ccc1C(F)(C(F)(F)F)C(F)(F)F)C(O)=O	-5.87	17.50	2.06	P	OUT
QL01524	Hexanoic acid, 2,2,3,3,4,4,5,6,6-decafluoro-5-(trifluoromethyl)-, compd. with ethanamine (11)	68015-84-9	CCN.OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	39.39	2.28	P	IN

QL01525	Perfluoro-7-(trifluoromethyl)octanoic acid ethanamine	68015-86-1	CCN.OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.57	43.59	2.55	P	IN
QL01526	Ethanaminium perfluoro-9-methyldecanoate	68015-85-0	CCN.OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.26	46.67	2.78	P	IN
QL01527	(Ethyl{3-[(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexane-1-sulfonyl)amino]propyl}amino)oxid anide	30295-56-8	CCN([O-])CCCNS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.61	30.95	2.92	P	OUT
QL01528	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-N-methylhexane-1-sulfonamide	1427176-17-7	CCN(C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.01	38.24	2.45	P	IN
QL01529	N-Ethyl-1,1,2,2,3,3,4,4,4-nonafluoro-N-methylbutane-1-sulfonamide	1427176-16-6	CCN(C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.01	32.14	2.17	P	IN
QL01530	N-Ethyl-N-[(heptadecafluorooctyl)sulfonyl]glycine methyl ester	87988-69-0	CCN(CC(=O)OC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.93	36.96	2.90	P	IN
QL01531	N,N-Diethyl-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanamide	90403-88-6	CCN(CC)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.69	40.48	2.69	P	IN
QL01532	Heptanamide, N,N-diethyl-2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoro-	61881-15-0	CCN(CC)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.90	36.11	2.46	P	IN
QL01533	N,N-Diethyl-2,2,3,3,4,4,5,5-nonafluoropentanamide	158018-94-1	CCN(CC)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.91	30.00	2.18	P	IN
QL01534	N,N-Diethyl-2,2,3,3,4,4,4-heptafluorobutanamide	377-58-2	CCN(CC)C(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.08	25.93	1.92	P	OUT
QL01535	N,N-Diethyl-2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanamide	176702-71-9	CCN(CC)C(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.10	32.35	2.20	P	IN
QL01536	N,N-Diethyl-2,3,3,3-tetrafluoro-2-[1,1,2,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanamide	176702-74-2	CCN(CC)C(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.48	38.64	2.65	P	IN
QL01537	N,N-Diethyl-2H-perfluoropropanamine	309-88-6	CCN(CC)C(F)(F)C(F)C(F)(F)F	-5.77	24.00	1.84	P	OUT
QL01538	Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (11)	76752-82-4	CCN(CC)CC.NS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.77	32.08	2.96	P	OUT
QL01539	N,N-Diethyl-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexane-1-sulfonamide	1270179-93-5	CCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.82	35.14	2.45	P	IN
QL01540	N-ethyl-N-[3-(trichlorosilyl)propyl]perfluorooctanesulfonamide	67939-42-8	CCN(CCC[Si](Cl)(Cl)Cl)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.26	40.82	2.94	P	IN
QL01541	N-Ethyl-N-[3-(trimethoxysilyl)propyl]perfluorooctanesulfonamide	61660-12-6	CCN(CCC[Si](OC)(OC)OC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.75	27.87	3.07	P	OUT
QL01542	N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-N-{11-[2-(2-methoxyethoxy)ethoxy]ethyl}-2,5,8-trioxo-11-azatetradecan-14-yl)octane-1-sulfonamide	117413-27-1	CCN(CCCN(CCOCCOCCOCC)CCOCCOCCOCC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.28	17.71	3.59	P	OUT
QL01543	N-Ethyl-N-(2-hydroxyethyl)perfluoroheptanesulfonamide	68555-73-7	CCN(CCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.44	36.59	2.69	P	IN

QL01591	Ethyl 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecanoate	1401315-53-4	CCOC(=O)C(O)(O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.92	42.50	2.74	P	IN
QL01592	Ethyl 3-amino-4,4,5,5,6,6,6-heptafluorohex-2-enoate	87613-26-1	CCOC(=O)C=C(N)C(F)(F)C(F)(F)C(F)(F)F	-6.90	26.92	2.26	P	OUT
QL01593	Ethyl (2E)-4,4,5,5,6,6,6-heptafluorohex-2-enoate	37759-79-8	CCOC(=O)C=CC(F)(F)C(F)(F)C(F)(F)F	-6.96	29.17	2.23	P	OUT
QL01594	Ethyl (2E)-3-(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfinyl)prop-2-enoate	1606997-39-0	CCOC(=O)C=CS(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.76	31.03	2.53	P	IN
QL01595	Ethyl 6-(nonafluorobutyl)-4-phenyl-2-sulfanylidene-1,2,3,4-tetrahydropyrimidine-5-carboxylate	281189-83-1	CCOC(=O)C1=C(NC(=S)NC1c1cccc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.99	20.45	2.48	P	OUT
QL01596	Diethyl 2,6-dihydroxy-2,6-bis(nonafluorobutyl)-4-phenyloxane-3,5-dicarboxylate	359875-73-3	CCOC(=O)C1C(C(C(=O)OCC)C(O)(OC1(O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)c1cccc1	-7.39	25.71	2.52	P	OUT
QL01597	Ethyl 2-(pentadecafluoroheptyl)imidazo[1,2-a]pyridine-3-carboxylate	135339-05-8	CCOC(=O)c1c(nc2cccn12)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	33.33	2.73	P	IN
QL01598	Ethyl 3-methyl-5-(nonafluorobutyl)-1H-pyrazole-4-carboxylate	119403-58-6	CCOC(=O)c1c(Nnc1C)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.29	27.27	2.43	P	OUT
QL01599	Ethyl 6-(heptafluoropropyl)pyridine-3-carboxylate	1574401-92-5	CCOC(=O)c1ccc(nc1)C(F)(F)C(F)(F)C(F)(F)F	-7.27	24.14	2.51	P	OUT
QL01600	Ethyl 4-[(nonafluorobutyl)sulfonyl]benzoate	1262679-06-0	CCOC(=O)c1ccc(SC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-7.98	26.47	2.76	P	OUT
QL01601	Ethyl 2-(heptafluoropropyl)benzoate	1310492-25-1	CCOC(=O)c1ccccc1C(F)(F)C(F)(F)C(F)(F)F	-6.58	23.33	2.22	P	OUT
QL01602	Ethyl 5-(2,2,3,3,4,4,4-heptafluorobutanamido)-1-phenyl-1H-pyrazole-4-carboxylate	545359-89-5	CCOC(=O)c1cnn(c1NC(=O)C(F)(F)C(F)(F)C(F)(F)F)-c1ccccc1	-6.77	17.07	2.48	P	OUT
QL01603	Ethyl 4,4,5,5,6,6,7,7,7-nonafluoro-3-oxoheptanoate	82941-37-5	CCOC(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.68	32.14	2.47	P	IN
QL01604	Ethyl heptafluorobutyrylacetate	336-62-9	CCOC(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.96	28.00	2.26	P	OUT
QL01605	Ethyl pentafluoropropionyl acetate	663-35-4	CCOC(=O)CC(=O)C(F)(F)C(F)(F)F	-6.44	22.73	2.17	P	OUT
QL01606	Ethyl 7,7,8,8,9,9,10,10,10-nonafluoro-3-oxodecanoate	1444474-83-2	CCOC(=O)CC(=O)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.79	24.32	2.74	P	OUT
QL01607	Ethyl 4,4,5,5,6,6,6-heptafluoro-3-bis(trifluoromethyl)hexanoate	161261-13-8	CCOC(=O)CC(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.35	40.63	2.08	P	IN
QL01608	Ethyl 4,4,5,5,6,6,6-heptafluoro-3-(nitromethyl)hexanoate	376-88-5	CCOC(=O)CC(C[N+])([O-])=O)C(F)(F)C(F)(F)C(F)(F)F	-6.52	22.58	2.21	P	OUT
QL01609	Octanoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, ethyl ester	153296-01-6	CCOC(=O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.32	40.63	2.52	P	IN
QL01610	Ethyl 3,3,4,4,5,5,6,6,6-nonafluorohexanoate	172287-15-9	CCOC(=O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.39	34.62	2.27	P	IN
QL01611	Ethyl 3,3,4,4,5,5,5-heptafluoropentanoate	773136-96-2	CCOC(=O)CC(F)(F)C(F)(F)C(F)(F)F	-6.87	30.43	2.15	P	IN
QL01612	Ethyl 4,4,5,5,6,6,6-heptafluoro-3-hydroxyhexanoate	2707-76-8	CCOC(=O)CC(O)C(F)(F)C(F)(F)C(F)(F)F	-6.84	25.93	2.26	P	OUT
QL01613	Ethyl 4,4,5,5,6,6,6-heptafluoro-3-sulfonylhexanoate	377-64-0	CCOC(=O)CC(S)C(F)(F)C(F)(F)C(F)(F)F	-6.84	25.93	2.26	P	OUT

QL01687	N,N-dimethyl-2H-perfluoroethanamine	1550-50-1	CN(C)C(F)(F)C(F)F	-4.85	25.00	1.39	P	OUT
QL01688	Benzenamine, 4-(heptadecafluorooctyl)-N,N-dimethyl-N'-[4-(Dimethylamino)phenyl]methylidene	80791-09-9	CN(C)C1=CC=C(C=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.04	38.64	2.90	P	IN
QL01689	ne)-2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptanehydrazide	328016-16-6	CN(C)c1ccc(C=NNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)cc1	-8.79	28.89	3.06	P	OUT
QL01690	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-N,N-dimethylaniline	2396-19-2	CN(C)c1ccc(cc1)C(F)(C(F)(F)F)C(F)(F)F	-6.37	24.14	2.10	P	OUT
QL01691	N,N-Dimethyl-4-(tridecafluorohexyl)aniline	141822-33-5	CN(C)c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	34.21	2.71	P	IN
QL01692	4-(Dimethylamino)phenyl nonafluorobutane-1-sulfonate	1463426-91-6	CN(C)c1ccc(OS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)cc1	-7.68	25.00	2.67	P	OUT
QL01693	1-(Dimethylamino)-4,4,5,5,6,6,7,7,7-nonafluoroheptan-2-ol	1023972-12-4	CN(C)CC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.97	28.13	2.26	P	OUT
QL01694	1-Propanaminium, 2-hydroxy-N,N,N-trimethyl-, 3-[(gamma.-.omega.-perfluoro-C6-20-alkyl)thio] derivs., chlorides	70983-60-7	CN(C)CC(O)SC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.04	36.11	2.52	P	IN
QL01695	N,N-Dimethyl-3-((perfluorohexyl)ethylsulfonyl)aminopropanamine N-oxide	80475-32-7	CN(C)CCC[NH+][O-][S](=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.32	26.53	2.91	P	OUT
QL01696	N-[4-(Dimethylamino)butyl]-2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanamide	118454-01-6	CN(C)CCCCNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.76	31.91	2.96	P	OUT
QL01697	1-Propanesulfonic acid, 3-[[3-(dimethylamino)propyl][[(tridecafluorohexyl)sulfonyl]amino]-2-hydroxy-, monosodium salt	73772-32-4	CN(C)CCCN(CC(CS(=O)(=O)[O-])O)S(=O)(=O)C(C(C(C(C(F)(F)F)(F)F)(F)F)(F)F)(F)F.[Na+]	-7.93	23.21	2.83	P	OUT
QL01698	1-((3-(Dimethylamino)propyl)amino)-(3-(perfluorooctyl))propan-2-ol	94159-81-6	CN(C)CCCNC(O)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.09	30.91	3.14	P	OUT
QL01699	Perfluorobutane sulfonamide	68555-77-1	CN(C)CCCN(S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.40	25.00	2.54	P	OUT
QL01700	62 Fluorotelomer sulfonamide	34455-22-6	CN(C)CCCN(S(=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.37	27.08	2.92	P	OUT
QL01701	1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluoro-N,N-dimethylhexane-1-sulfonamide	1270179-82-2	CN(C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.77	41.94	2.24	P	IN
QL01702	N-{3-[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)sulfonyl]-2-hydroxypropyl}-N-methylglycine	93128-66-6	CN(CC(O)CSCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CC(O)=O	-9.32	31.48	3.23	P	OUT
QL01703	Isocotanesulfonamide, heptadecafluoro-N-(2-hydroxyethyl)-N-methyl-	93894-65-6	CN(CCO)[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.71	41.46	2.67	P	IN
QL01704	N-(2-hydroxyethyl)-N-methylperfluoro-2-methylpropanesulfonamide	93762-11-9	CN(CCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.89	31.03	2.14	P	IN
QL01705	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)-N-methyl-	68555-74-8	CN(CCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.79	34.38	2.45	P	IN
QL01706	1-Butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methyl-	34454-97-2	CN(CCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.11	31.03	2.24	P	IN

QL01707	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-N-(2-hydroxyethyl)-N-methyl-1-octanesulfonamide	51619-73-9	CN(CCO)S(=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01708	2-[(Heptadecafluorooctyl)(methyl)amino]ethyl prop-2-enoate	93491-54-4	CN(CCOC(=O)C=C)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01709	2-Propenoic acid, 2-[methyl[(undecafluoropentyl)sulfonyl]amino]ethyl ester	67584-56-9	CN(CCOC(=O)C=C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01710	2-Propenoic acid, 2-[methyl[(nonafluorobutyl)sulfonyl]amino]ethyl ester	67584-55-8	CN(CCOC(=O)C=C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01711	Bis[N-methyl(perfluorobutyl)sulfonamidoeethyl]phosphoric acid	120945-47-3	CN(CCOP(O)(=O)OCCN(C)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01712	2-{Methyl[(nonafluorobutyl)sulfonyl]amino}ethyl phosphate	147545-41-3	CN(CCOP(O)(O)=O)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01713	2,2,3,3,4,4,4-Heptafluoro-N-hydroxy-N-methylbutanamide	193008-44-5	CN(O)C(=O)C(F)(F)C(F)(F)C(F)(F)F
QL01714	N,N-Dimethyl perfluorooctane sulfonamide	213181-78-3	CN(S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)=O)C
QL01715	1,1,2,2,3,3,4,4,4-Nonafluoro-N-methyl-N-(trimethylstannyl)butane-1-sulfonamide	41006-33-1	CN(S(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)[Sn](C)(C)C
QL01716	Heptadecafluoro-N-methylisooctanesulphonamide	93894-71-4	CN[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01717	1-Heptanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-N-methyl-	68259-14-3	CN[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01718	1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	CN[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01719	1-Pentanesulfonamide, 1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-methyl-	68298-13-5	CN[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01720	1-Butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-N-methyl-	68298-12-4	CN[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01721	1-Methyl-2-(nonafluorobutyl)-1H-indole	1608112-35-1	Cn1c(cc2cccc12)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01722	3,3,4,4,5,5,5-Heptafluoro-1-(3-methyl-1,3-benzothiazol-2(3H)-ylidene)pentan-2-one	41131-07-1	CN1C(Sc2cccc12)=CC(=O)C(F)(F)C(F)(F)C(F)(F)F
QL01723	1H-Pyrrole, 1-methyl-2-(tridecafluorohexyl)-	64435-67-2	CN1C=CC=C1C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01724	1-(1-Methyl-1H-indol-3-yl)thiolan-1-ium nonafluorobutane-1-sulfonate	867373-18-0	Cn1cc([S+](2CCCC2)c2cccc12.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01725	2,2,3,3,4,4,5,5,6,6,7,7,7-Tridecafluoro-1-(4-methylpiperazin-1-yl)heptan-1-one	560092-29-7	CN1CCN(CC1)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL01726	2,2,3,3,4,4,4-Heptafluoro-1-(4-methylpiperazin-1-yl)butan-1-one	499975-92-7	CN1CCN(CC1)C(=O)C(F)(F)C(F)(F)C(F)(F)F
QL01727	Heptadecafluorononanoic acid--N-methylmethanamine (1/1)	77032-24-7	CNC.OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F

-8.28	31.71	2.75	P	OUT
-9.15	38.64	2.95	P	IN
-8.14	28.95	2.76	P	OUT
-7.82	25.71	2.71	P	OUT
-9.35	30.00	3.28	P	OUT
-7.44	26.47	2.52	P	OUT
-6.54	36.84	1.83	P	IN
-8.63	45.95	2.51	P	IN
-6.71	27.27	2.17	P	OUT
-8.71	50.00	2.43	P	IN
-8.62	48.39	2.44	P	IN
-8.03	46.43	2.23	P	IN
-7.71	44.00	2.15	P	IN
-6.94	40.91	1.89	P	IN
-7.00	29.03	2.25	P	OUT
-6.95	22.58	2.40	P	OUT
-7.77	41.94	2.24	P	IN
-5.84	18.75	2.01	P	OUT
-8.28	33.33	2.71	P	IN
-6.69	23.33	2.27	P	OUT
-9.03	43.59	2.76	P	IN

	Methyl difluoro{1,1,2,2-tetrafluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy} acetate	169289-58-1	COC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-8.96	44.83	2.69	P	IN
QL01781	Methyl perfluoro-3,6-dioxahепtanoate	39187-41-2	COC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-7.70	40.91	2.23	P	IN
QL01782	Methyl 2,3,3,3-tetrafluoro-2-[(undecafluoropentyl)oxy]propanoate	220369-95-9	COC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.64	50.00	2.40	P	IN
QL01783	Methyl perfluoro(2-propoxypropanoate)	13140-34-6	COC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.56	45.83	2.03	P	IN
QL01784	Methyl 2,3,3,3-tetrafluoro-2-(pentafluoroethoxy)propanoate	117516-09-3	COC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)F	-6.94	42.86	1.84	P	IN
QL01785	Methyl 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoate	26131-32-8	COC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.81	50.00	2.48	P	IN
QL01786	Methylperfluoro-2,5,8-trimethyl-3,6,9-trioxadodecanoic acid	39187-47-8	COC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.64	52.27	2.79	P	IN
QL01787	Perfluorotetramethyltetraoxapentadecanoic acid	133609-46-8	COC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.37	53.70	3.08	P	OUT
QL01788	Methyl 2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18,18-icosafuoro-2,5,8,11,14-pentakis(trifluoromethyl)-3,6,9,12,15-pentaoxaoctadecan-1-oate	1005033-64-6	COC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.91	54.69	3.29	P	OUT
QL01789	Methyl 2,3,4,4,5,5,6,6,6-nonafluorohex-2-enoate	88022-46-2	COC(=O)C(F)=C(F)C(F)(F)C(F)(F)C(F)(F)F	-7.68	42.86	2.17	P	IN
QL01790	Methyl 3-amino-4,4,5,5,6,6,6-heptafluorohex-2-enoate	106203-17-2	COC(=O)C=C(N)C(F)(F)C(F)(F)C(F)(F)F	-6.94	30.43	2.18	P	IN
QL01791	Methyl 4,4,5,5,6,6,6-heptafluorohex-2-enoate	813-06-9	COC(=O)C=CC(F)(F)C(F)(F)C(F)(F)F	-7.05	33.33	2.15	P	IN
QL01792	Methyl 3-(heptadecafluorooctyl)benzoate	80791-11-3	COC(=O)C1=CC(=CC=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.16	40.48	2.90	P	IN
QL01793	Methyl 4-(heptadecafluorooctyl)benzoate	80791-12-4	COC(=O)C1=CC(=C(C=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.26	40.48	2.95	P	IN
QL01794	Methyl 4-(nonafluorobutyl)benzoate	88951-00-2	COC(=O)C1=CC(=C(C=C1)C(F)(F)C(F)(F)C(F)(F)F	-7.76	30.00	2.56	P	OUT
QL01795	Methyl 4-(heptafluoropropyl)benzoate	64299-47-4	COC(=O)C1=CC(=C(C=C1)C(F)(F)C(F)(F)C(F)(F)F	-7.37	25.93	2.50	P	OUT
QL01796	Methyl 5-(heptafluoropropyl)furan-2-carboxylate	104939-25-5	COC(=O)C1=CC(=C(O1)C(F)(F)C(F)(F)C(F)(F)F	-7.11	29.17	2.29	P	OUT
QL01797	Methyl 2-(heptafluoropropyl)-6-methoxybenzoate	109296-89-1	COC(=O)c1c(OC)cccc1C(F)(F)C(F)(F)C(F)(F)F	-6.31	22.58	2.12	P	OUT
QL01798	Methyl 2-methoxy-6-[(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)oxy]benzoate	475630-76-3	COC(=O)c1c(OC)cccc1OS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.23	23.68	2.50	P	OUT
QL01799	Methyl 3,4,5-tris[1,1,2-trifluoro-2-(heptafluoropropoxy)ethoxy]benzoate	1233312-86-1	COC(=O)c1cc(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)F)c(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)c(OC(F)(F)C(F)(F)C(F)(F)F)c1	-9.93	43.48	3.17	P	OUT
QL01800	Methyl 4-{1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzoate	51114-06-8	COC(=O)c1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)F	-6.61	25.93	2.16	P	OUT
QL01801	Methyl 4-(pentadecafluoroheptyl)cyclohexane-1-carboxylate	88951-17-1	COC(=O)C1CCC(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.74	33.33	2.91	P	OUT
QL01802								

QL01928	double bond perfluoroalkyl (linear) sulfonic acids, n=5	F/C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=C(F)C(F)(F)F	-8.96	53.57	2.45	P	IN
QL01929	double bond-, H-, ether- substituted perfluoroalkyl (linear) carboxylic acids, n=4	F/C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)OCC(O)=O)=CC(F)(F)F	-8.29	42.86	2.44	P	IN
QL01930	double bond perfluoroalkyl (linear) sulfonic acids, n=4	F/C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=C(F)C(F)(F)F	-8.40	52.00	2.24	P	IN
QL01931	multiple double bond- perfluoroalkyl (linear) carboxylic acids, n=3	F/C(C(F)(F)C(F)(F)C(F)(F)C(O)=O)=C(F)C(F)=C(F)F	-8.32	50.00	2.26	P	IN
QL01932	double bond-, H-, ether- substituted perfluoroalkyl (linear) carboxylic acids, n=3	F/C(C(F)(F)C(F)(F)C(F)(F)OCC(O)=O)=CC(F)(F)F	-8.01	40.00	2.40	P	IN
QL01933	double bond perfluoroalkyl (linear) sulfonic acids, n=3	F/C(C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=C(F)C(F)(F)F	-8.11	50.00	2.17	P	IN
QL01934	multiple double bond- perfluoroalkyl (linear) carboxylic acids, n=2	F/C(C(F)(F)C(F)(F)C(O)=O)=C(F)C(F)=C(F)F	-7.96	47.37	2.17	P	IN
QL01935	double bond-, H-, ether- substituted perfluoroalkyl (linear) carboxylic acids, n=2	F/C(C(F)(F)C(F)(F)OCC(O)=O)=CC(F)(F)F	-7.29	36.36	2.18	P	IN
QL01936	double bond perfluoroalkyl (linear) sulfonic acids, n=2	F/C(C(F)(F)C(F)(F)S(=O)(O)=C(F)C(F)(F)F	-7.37	47.37	1.91	P	IN
QL01937	multiple double bond- perfluoroalkyl (linear) carboxylic acids, n=1	F/C(C(F)(F)C(O)=O)=C(F)C(F)=C(F)F	-7.21	43.75	1.93	P	IN
QL01938	double bond-, H-, ether- substituted perfluoroalkyl (linear) carboxylic acids, n=1	F/C(C(F)(F)OCC(O)=O)=CC(F)(F)F	-6.94	31.58	2.15	P	IN
QL01939	double bond perfluoroalkyl (linear) sulfonic acids, n=1	F/C(C(F)(F)S(=O)(O)=O)=C(F)C(F)(F)F	-6.87	43.75	1.78	P	IN
QL01940	Pentafluorosulfide Perfluoroalkyl (linear) carboxylic acids, n=8	FC([S](F)(F)(F)F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O)F	-9.60	61.76	2.51	P	IN
QL01941	Pentafluorosulfide Perfluoroalkyl (linear) carboxylic acids, n=7	FC([S](F)(F)(F)F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O)F	-9.40	61.29	2.43	P	IN
QL01942	Pentafluorosulfide Perfluoroalkyl (linear) carboxylic acids, n=6	FC([S](F)(F)(F)F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O)F	-8.91	60.71	2.23	P	IN
QL01943	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=6	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.46	52.94	2.69	P	IN
QL01944	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=5	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.99	51.61	2.52	P	IN
QL01945	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=4	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.76	50.00	2.46	P	IN
QL01946	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=3	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)C(F)(F)S(=O)(O)=O	-8.17	48.00	2.25	P	IN
QL01947	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=2	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)C(F)(F)S(=O)(O)=O	-7.79	45.45	2.15	P	IN
QL01948	double bond-, H-substituted perfluoroalkyl sulfonic acids, n=1	FC(/C(F)=C(F)/C(F)(F)F)([H])C(F)(F)S(=O)(O)=O	-7.04	42.11	1.90	P	IN
QL01949	(2Z)-1,1,1,2,4,4,5,5,5-Nonafluoro-3- (1,1,1,2,3,3,3-heptafluoropropan- 2-yl)pent-2-ene 58621-71-9	FC(=C(/C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.87	66.67	1.59	P	OUT

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QL02151	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=2		FC(F)(F)/C(F)=C(F)/C(F)(F)C(F)(F)OC(F)(F)C(O)=O	-8.25	50.00	2.23	P	IN
QL02152	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=1		FC(F)(F)/C(F)=C(F)/C(F)(F)OC(F)(F)C(O)=O	-7.96	47.37	2.17	P	IN
QL02153	double bond-, ether-substituted perfluoroalkyl (linear) carboxylic acids, n=0		FC(F)(F)/C(F)=C(OC(F)(F)C(O)=O)F	-7.15	43.75	1.91	P	IN
QL02154	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=8		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.61	55.56	2.69	P	IN
QL02155	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=7		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.17	54.55	2.51	P	IN
QL02156	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=6		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.94	53.33	2.45	P	IN
QL02157	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=5		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.39	51.85	2.24	P	IN
QL02158	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=4		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.09	50.00	2.16	P	IN
QL02159	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=3		FC(F)(F)C([H])(F)C(F)(F)C(F)(F)S(=O)(O)=O	-7.37	47.62	1.90	P	IN
QL02160	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=2		FC(F)(F)C([H])(F)C(F)(F)S(=O)(O)=O	-6.97	44.44	1.81	P	IN
QL02161	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=1		FC(F)(F)C([H])(F)C(F)(F)S(=O)(O)=O	-5.93	40.00	1.46	P	IN
QL02162	Perfluoro-3-ethyl-2,4-dimethyl-2-pentene	30320-26-4	FC(F)(F)C=C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.71	66.67	1.52	P	OUT
QL02163	1,1-Bis(trifluoromethyl)ethene	382-10-5	FC(F)(F)C=C(C(F)(F)F	-6.18	50.00	1.30	P	IN
	5-Fluoro-5,7,7-tris(trifluoromethyl)-6-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)-1,4-dioxepane			-6.47	48.48	1.47	P	IN
QL02164	3-Trifluoromethylperfluoro-2-pentanone	94333-56-9	FC(F)(F)C=C1C(F)(OCCOC1(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-8.00	63.16	1.75	P	IN
QL02165	1,1,1,3,4,4,4-Heptafluoro-3-(trifluoromethyl)butan-2-one	93830-92-3	FC(F)(F)C(=O)C(F)(C(F)(F)C(F)(F)C(F)(F)F	-7.11	62.50	1.37	P	OUT
QL02166	1,1,1,3,3,4,5,5,5-Nonafluoro-4-(trifluoromethyl)pentan-2-one	756-12-7	FC(F)(F)C(=O)C(F)(C(F)(F)C(F)(F)F	-7.92	63.16	1.71	P	IN
QL02167	ketone perfluoroalkyl (linear) carboxylic acids, n=8	73041-05-1	FC(F)(F)C(=O)C(F)(F)C(F)(C(F)(F)C(F)(F)F	-9.53	54.29	2.69	P	IN
QL02168	ketone perfluoroalkyl (linear) carboxylic acids, n=7		FC(F)(F)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.08	53.13	2.51	P	IN
QL02169	ketone perfluoroalkyl (linear) carboxylic acids, n=5		FC(F)(F)C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-8.27	50.00	2.24	P	IN
QL02170	ketone perfluoroalkyl (linear) carboxylic acids, n=4		FC(F)(F)C(=O)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-7.96	47.83	2.16	P	IN
QL02171	ketone perfluoroalkyl (linear) carboxylic acids, n=3		FC(F)(F)C(=O)C(F)(F)C(F)(F)S(=O)(O)=O	-7.21	45.00	1.90	P	IN
QL02172	2,2,2-Trifluoro-1-[4-(tridecafluorohexyl)phenyl]ethan-1-one	171183-94-1	FC(F)(F)C(=O)C1ccc(cc1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.14	45.71	2.75	P	IN
				-9.09	53.33	2.51	P	IN
QL02174	1,1,1,5,5,6,6,7,7,8,8,9,10,10,10-hexadecafluorodecane-2,4-dione	147874-76-8	FC(F)(F)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.29	50.00	2.24	P	IN
QL02175	1,1,1,5,5,6,6,7,7,8,8,8-dodecafluorooctane-2,4-dione	261503-40-6	FC(F)(F)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.93	47.62	2.15	P	IN
QL02176	3H,3H-Perfluoroheptane-2,4-dione	20583-66-8	FC(F)(F)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.14	44.44	1.88	P	IN
QL02177	3H,3H-Perfluoro-2,4-hexanedione	20825-07-4	FC(F)(F)C(=O)CC(=O)C(F)(F)C(F)(F)F					

QL02178	3-(Perfluorohexyl)-1-(trifluoroacetyl)-5-(trifluoromethyl)-1H-pyrazole	261778-38-5	FC(F)(F)C(=O)N1N=C(C=C1C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.49	54.29	2.67	P	IN
QL02179	2,2,3,3,4,4,4-Heptafluorobutyl trifluoroacetate	1365808-09-8	FC(F)(F)C(=O)OCC(F)(F)C(F)(F)C(F)F	-7.98	50.00	2.11	P	IN
QL02180	2,2,3,3,4,4,4-Heptafluoro-N-[(trifluoroacetyl)oxy]butanamide	88326-80-1	FC(F)(F)C(=O)ONC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.10	47.62	2.23	P	IN
QL02181	1,1,1,3,3,5,5,5-Octafluoro-2,2,4,4-tetrakis(trifluoromethyl)pentane	62375-54-6	FC(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)F	-7.71	68.97	1.46	P	OUT
QL02182	Perfluoro-2,2,5,5-tetramethylhexane	71076-47-6	FC(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)F	-8.06	68.75	1.62	P	OUT
QL02183	2,2-bis(Trifluoromethyl)perfluoropropane	374-51-6	FC(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-6.99	70.59	1.09	P	OUT
QL02184	Perfluoro tert-butylcyclohexane	84808-64-0	FC(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.51	66.67	1.88	P	OUT
QL02185	Perfluorodecahydro-1-tert-butyl naphthalene	118914-94-6	FC(F)(F)C(C(F)(F)F)C(F)(F)C1(F)C(F)(F)C(F)(F)C(C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C12F	-8.69	65.00	2.01	P	IN
QL02186	Perfluorodecahydro-2-tert-butyl naphthalene	119107-97-0	FC(F)(F)C(C(F)(F)F)C(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F	-9.17	65.00	2.23	P	IN
QL02187	2H-Perfluoro(2-methylpentane)	30320-28-6	FC(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-8.04	65.00	1.71	P	OUT
QL02188	(1,1,1,5,5,6,6,7,7,7-Decafluorohept-3-yn-2-ylidene)cyclopentane	139226-05-4	FC(F)(F)C(C#CC(F)(F)C(F)(F)C(F)(F)F)=C1CCCC1	-7.01	33.33	2.13	P	IN
QL02189	Hexafluoro-2,2,3,3-tetrachlorobutane	375-34-8	FC(F)(F)C(Cl)(Cl)C(Cl)(Cl)C(F)(F)F	-7.84	71.43	1.45	P	OUT
QL02190	1,2-Dibromohexafluoropropane	661-95-0	FC(F)(F)C(F)(Br)C(F)(F)Br	-7.64	72.73	1.32	P	OUT
QL02191	Bis(perfluoroisopropyl)ketone	813-44-5	FC(F)(F)C(F)(C(=O)C(F)(C(F)(F)F)C(F)(F)F)C(F)(F)F	-7.66	63.64	1.58	P	OUT
QL02192	1,1,1,2,4,4,5,5-Octafluoro-5-iodo-2-(trifluoromethyl)pentan-3-one	93822-96-9	FC(F)(F)C(F)(C(=O)C(F)(F)C(F)(F)F)C(F)(F)F	-7.84	63.16	1.68	P	IN
QL02193	1-Propanone, 2,3,3,3-tetrafluoro-1-phenyl-2-(trifluoromethyl)-1-(4-Chlorophenyl)-2,3,3,3-tetrafluoro-2-	56112-35-7	FC(F)(F)C(F)(C(=O)C1=CC=CC=C1)C(F)(F)F	-6.26	30.43	1.88	P	IN
QL02194	(trifluoromethyl)propan-1-one	56041-73-7	FC(F)(F)C(F)(C(=O)c1ccc(Cl)cc1)C(F)(F)F	-7.07	34.78	2.12	P	IN
QL02195	Benzyl 2,3,3,3-tetrafluoro-2-(trifluoromethyl)propanoate	38392-11-9	FC(F)(F)C(F)(C(=O)OCC1CCCC1)C(F)(F)F	-6.61	25.93	2.16	P	OUT
QL02196	Bis[2,3,3,3-tetrafluoro-1-oxo-2-(trifluoromethyl)propyl] peroxide	111632-55-4	FC(F)(F)C(F)(C(=O)OOC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.95	53.85	1.99	P	IN
QL02197	2-bromo-3,4,4,4-tetrafluoro-3-(trifluoromethyl)but-1-ene	234443-24-4	FC(F)(F)C(F)(C(Br)=C)C(F)(F)F	-6.26	53.33	1.24	P	IN
QL02198	Perfluoro-2,3-dimethylbutane	354-96-1	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.41	70.00	1.30	P	OUT
QL02199	Heptane, 1,1,1,2,3,3,4,5,5,6,7,7,7-tridecafluoro-2,4,6-	84808-63-9	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.97	68.75	2.03	P	OUT
QL02200	Perfluoro-2,7-dimethyloctane	3021-63-4	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.21	68.75	2.14	P	OUT
QL02201	Perfluoro-2,9-dimethyldecane	103188-55-2	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.84	68.42	2.43	P	OUT
QL02202	1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12-tetracosafuoro-2,11-bis(trifluoromethyl)dodecane	118694-32-9	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.36	68.18	2.67	P	OUT
QL02203	1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-icosafuoro-12-iodo-2-(trifluoromethyl)dodecane	242142-80-9	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCI	-9.89	58.54	2.73	P	OUT
QL02204	2-(Perfluoro-7-methyloctyl)ethyl iodide	40678-31-7	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCI	-9.29	57.14	2.50	P	IN

QL02205	2-[2,2,3,3,4,4,5,5,6,7,7,7-dodecafluoro-6-(trifluoromethyl)heptyl]oxirane	24564-77-0	FC(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CC1CO1	-8.09	48.39	2.20	P	IN
QL02206	1,1,1,2,3,3,4,4,5,5,6,6-dodecafluoro-8-iodo-2-(trifluoromethyl)octane	18017-20-4	FC(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCI	-8.54	55.17	2.22	P	IN
QL02207	3,3,4,4,5,5,6,6,7,8,8,8-Dodecafluoro-7-(trifluoromethyl)octyl prop-2-enoate	50836-65-2	FC(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(=O)C=C	-8.73	41.67	2.68	P	IN
QL02208	Perfluorooisooheptyl iodide	3486-08-6	FC(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)I	-8.61	69.57	1.85	P	OUT
QL02209	3,3,4,4,5,5,6,6-Octafluoro-5-(trifluoromethyl)hex-1-ene	139060-76-7	FC(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C	-7.38	52.38	1.77	P	IN
QL02210	3-(Perfluoro-3-methylbutyl)-1,2-propenoxide	54009-81-3	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)CC1CO1	-7.03	44.00	1.85	P	IN
QL02211	[3,3,4,4,5,5,6,6,6-octafluoro-5-(trifluoromethyl)hexyl] Prop-2-enoate	86217-01-8	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)CCOC(=O)C=C	-7.77	36.67	2.38	P	IN
QL02212	Perfluoro-3-methylbutyl iodide	1514-90-5	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)I	-7.64	70.59	1.38	P	OUT
QL02213	Perfluorodecahydro-1-isobutylinaphthalene	118945-65-6	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C12F	-9.00	65.00	2.15	P	IN
QL02214	Perfluorodecahydro-2-isobutylinaphthalene	119141-87-6	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F	-9.60	65.00	2.42	P	IN
QL02215	Perflisobutane	354-92-7	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-7.29	71.43	1.20	P	OUT
QL02216	Propane, 2-(difluoroiodomethyl)-1,1,1,2,3,3,3-heptafluoro-1,1,2,3,3,3-Hexafluoro-2-(trifluoromethyl)propane-1-sulphonic anhydride	1542-18-3	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)I	-7.29	71.43	1.20	P	OUT
QL02217	Undecafluoro(1,1,1,2,3,3,3-heptafluoropropan-2-yl)cyclohexane	93894-52-1	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)S(=O)(=O)OS(=O)(=O)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-8.62	54.55	2.27	P	IN
QL02218	3,4,4,4-tetrafluoro-3-(trifluoromethyl)but-1-yne	423-02-9	FC(F)(F)C(F)(C(F)(F)F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.58	66.67	1.91	P	OUT
QL02219	2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanenitrile	24690-53-7	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-6.38	53.85	1.28	P	IN
QL02220	2-Vinylperfluoropropane	42532-60-5	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-6.66	58.33	1.28	P	IN
QL02221	3,4,4,4-Tetrafluoro-1-iodo-3-(trifluoromethyl)but-1-ene	88562-41-8	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-5.94	46.67	1.28	P	IN
QL02223		24716-85-6	FC(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-6.66	53.33	1.42	P	IN
QL02224	1,4-Bis(heptafluoroisopropyl)benzene	51114-12-6	FC(F)(F)C(F)(C1=CC=C(C=C1)C(F)(C(F)(F)F)C(F)(F)C(F)(F)F	-7.51	46.67	1.99	P	IN
QL02225	AGN-PC-0NHL39	40161-59-9	FC(F)(F)C(F)(C1=CC=C(I)C=C1)C(F)(F)F	-6.79	38.10	1.90	P	IN
QL02226	6-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-3-(((pyridin-3-yl)methyl)amino)-3,4-dihydroquinazolin-2(1H)-one	337457-78-0	FC(F)(F)C(F)(C1=CC2=C(NC(=O)N(C2)NCC2=CN=CC=C2)C=C1)C(F)(F)F	-7.28	16.67	2.72	P	OUT
QL02227	3-Chloro-5-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pyridin-2(1H)-one	1771743-43-1	FC(F)(F)C(F)(C1=CNC(=O)C(Cl)=C1)C(F)(F)F	-6.80	38.10	1.90	P	IN
QL02228	5-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)pyrimidine-2,4(1H,3H)-dione	80384-59-4	FC(F)(F)C(F)(C1=CNC(=O)NC1=O)C(F)(F)F	-6.55	33.33	1.93	P	IN
QL02229	2-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)pyridine-4-carbonitrile	929211-36-9	FC(F)(F)C(F)(C(F)(F)C(F)(F)F)C(F)(F)F	-6.44	33.33	1.88	P	IN
QL02230	2-Bromo-1,3-dichloro-5-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzene	353272-59-0	FC(F)(F)C(F)(C1cc(Cl)c(Br)c(Cl)c1)C(F)(F)F	-7.37	47.62	1.90	P	IN

QL02231	1-Bromo-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzene	2396-23-8	FC(F)(F)C(F)(c1ccc(Br)cc1)C(F)(F)F	-6.79	38.10	1.90	P	IN
QL02232	4-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)benzaldehyde	875306-42-6	FC(F)(F)C(F)(c1ccc(C=O)cc1)C(F)(F)F	-6.86	30.43	2.15	P	IN
QL02233	1-(Chloromethyl)-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzene	75462-58-7	FC(F)(F)C(F)(c1ccc(CCl)cc1)C(F)(F)F	-7.04	33.33	2.15	P	IN
QL02234	2-Chloro-5-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pyridine	1807450-20-9	FC(F)(F)C(F)(c1ccc(Cl)nc1)C(F)(F)F	-6.91	40.00	1.90	P	IN
QL02235	2-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)naphthalene	51114-14-8	FC(F)(F)C(F)(c1ccc2ccccc2c1)C(F)(F)F	-6.53	25.93	2.12	P	OUT
QL02236	5-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1,3-dihydro-2H-benzimidazol-2-one	1433216-51-3	FC(F)(F)C(F)(c1ccc2NC(=O)Nc2c1)C(F)(F)F	-6.65	28.00	2.12	P	OUT
QL02237	6-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1,3-benzoxazol-2(3H)-one	1248393-88-5	FC(F)(F)C(F)(c1ccc2NC(=O)Oc2c1)C(F)(F)F	-6.73	29.17	2.12	P	IN
QL02238	6-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1,3-benzothiazol-2(3H)-one	1433216-60-4	FC(F)(F)C(F)(c1ccc2NC(=O)Sc2c1)C(F)(F)F	-6.73	29.17	2.12	P	IN
QL02239	5-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2,3-dihydro-1H-indole	273735-78-7	FC(F)(F)C(F)(c1ccc2NCCc2c1)C(F)(F)F	-5.98	25.93	1.87	P	OUT
QL02240	5-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1H-indazole	1433216-39-7	FC(F)(F)C(F)(c1ccc2Nncc2c1)C(F)(F)F	-6.18	29.17	1.87	P	IN
QL02241	6-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1H-benzotriazole	1433216-34-2	FC(F)(F)C(F)(c1ccc2nnNc2c1)C(F)(F)F	-6.25	30.43	1.87	P	IN
QL02242	1-Bromo-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzene	2396-22-7	FC(F)(F)C(F)(c1cccc(Br)c1)C(F)(F)F	-6.37	38.10	1.71	P	IN
QL02243	(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)benzene	378-34-7	FC(F)(F)C(F)(c1ccccc1)C(F)(F)F	-6.16	33.33	1.75	P	IN
QL02244	1-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-iodocyclohexane	4316-00-1	FC(F)(F)C(F)(C1CCCCC1)C(F)(F)F	-5.91	29.63	1.74	P	IN
QL02245	2-Chloro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pyridine	1816284-43-1	FC(F)(F)C(F)(c1cccnc1Cl)C(F)(F)F	-6.55	40.00	1.74	P	IN
QL02246	2-Chloro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pyridine	1816286-71-1	FC(F)(F)C(F)(c1ccnc(Cl)c1)C(F)(F)F	-6.49	40.00	1.71	P	IN
QL02247	3-Bromo-5-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pyridine	1816285-38-7	FC(F)(F)C(F)(c1cncc(Br)c1)C(F)(F)F	-6.49	40.00	1.71	P	IN
QL02248	2,4,6-Tris(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-1,3,5-triazine	10271-37-1	FC(F)(F)C(F)(c1nc(nc(n1)C(F)(C(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)F	-7.66	58.33	1.73	P	IN
QL02249	2-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1H-imidazole	81790-00-3	FC(F)(F)C(F)(c1Nccn1)C(F)(F)F	-5.72	38.89	1.40	P	IN
QL02250	5-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-1H-imidazole	81790-01-4	FC(F)(F)C(F)(c1Ncnc1)C(F)(F)F	-5.72	38.89	1.40	P	IN

QL02251	3,4,4,4-Tetrafluoro-1-phenyl-3-(trifluoromethyl)butan-1-one	82959-21-5	FC(F)(F)C(F)(CC(=O)c1ccccc1)C(F)(F)F	-6.54	26.92	2.10	P	OUT
QL02252	3,4,4,4-Tetrafluoro-3-(trifluoromethyl)butanal	131118-41-7	FC(F)(F)C(F)(CC=O)C(F)(F)F	-6.07	43.75	1.42	P	IN
QL02253	[2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propyl]oxirane	74328-57-7	FC(F)(F)C(F)(CC1CO1)C(F)(F)F	-5.55	36.84	1.38	P	IN
QL02254	4-Bromo-1,1,1,2-tetrafluoro-2-(trifluoromethyl)butane	1274903-97-7	FC(F)(F)C(F)(CCBr)C(F)(F)F	-6.27	47.06	1.42	P	IN
QL02255	2,4-Bis[3,4,4,4-tetrafluoro-3-(trifluoromethyl)butyl]-1lambda~6~-3lambda~6~-dithietane-1,1,3,3-tetrone	1346175-94-7	FC(F)(F)C(F)(CCC1S(=O)(=O)C(CCC(F)(C(F)F)C(F)F)S1(=O)=O)C(F)(F)F	-7.68	33.33	2.44	P	IN
QL02256	1,1,1,2-Tetrafluoro-6-iodo-2-(trifluoromethyl)hexane	99324-97-7	FC(F)(F)C(F)(CCCCI)C(F)(F)F	-6.35	34.78	1.80	P	IN
QL02257	2-(2-Iodoethyl)perfluoropropane	99324-96-6	FC(F)(F)C(F)(CCI)C(F)(F)F	-6.27	47.06	1.42	P	IN
QL02258	4-(Ethenyloxy)-1,1,1,2-tetrafluoro-2-(trifluoromethyl)butane	90999-86-3	FC(F)(F)C(F)(CCOC=C)C(F)(F)F	-6.17	31.82	1.80	P	IN
QL02259	2,3-Dichloro-1,1,1,2,3,4,5,5,5-nonafluoro-4-(trifluoromethyl)pentane	85720-79-2	FC(F)(F)C(F)(Cl)C(F)(Cl)C(F)(C(F)(F)F)C(F)(F)F	-8.36	70.00	1.72	P	OUT
QL02260	2,3-Dichlorooctafluorobutane	NOCAS_870512	FC(F)(F)C(F)(Cl)C(F)(Cl)C(F)(F)F	-7.84	71.43	1.45	P	OUT
QL02261	1,2-Dichlorohexafluoropropane	661-97-2	FC(F)(F)C(F)(Cl)C(F)(F)Cl	-7.64	72.73	1.32	P	OUT
QL02262	2λ5,4λ5,6λ5-1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexakis[2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]-	1383437-42-0	FC(F)(F)C(F)(COP1(OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)=NP(OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)=NP(OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)(OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.07	53.13	3.41	P	OUT
QL02263	Perfluoro-2-methyl-3-(propan-2-yl)pentan-3-yl	93683-27-3	FC(F)(F)C(F)(F)[C](C(F)(C(F)(F)F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.79	67.86	1.53	P	OUT
QL02264	Perfluoro-2-methyl-3-pentanone	756-13-8	FC(F)(F)C(F)(F)C(=O)C(F)(C(F)(F)F)C(F)(F)F	-7.84	63.16	1.68	P	IN
QL02265	1,1,1,2,2,4,4,5,5,5-Decafluoro-3-pentanone	684-32-2	FC(F)(F)C(F)(F)C(=O)C(F)(F)C(F)(F)F	-7.99	62.50	1.76	P	IN
QL02266	1-(2,2,3,3,3-Pentafluoro-1-oxopropyl)-1H-imidazole	71735-32-5	FC(F)(F)C(F)(F)C(=O)N1C=CN=C1	-6.05	29.41	1.81	P	IN
QL02267	Pentafluoropropanoic anhydride	NOCAS_870515	FC(F)(F)C(F)(F)C(=O)OC(=O)C(F)(F)C(F)(F)F	-8.10	52.63	2.09	P	IN
QL02268	Perfluoro(3-ethyl-2,3-dimethylpentane)	50285-19-3	FC(F)(F)C(F)(F)C(C(F)(F)F)(C(F)(F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-8.06	68.97	1.62	P	OUT
QL02269	3,3-Bis(trifluoromethyl)perfluoropentane	36591-89-6	FC(F)(F)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)F	-8.13	69.57	1.63	P	OUT
QL02270	3,3-Dichloro-1,1,1,2,2-pentafluoropropane	422-56-0	FC(F)(F)C(F)(F)C(Cl)Cl	-7.17	63.64	1.36	P	OUT
QL02271	Perfluoro dimethylethylpentane	50285-18-2	FC(F)(F)C(F)(F)C(F)(C(F)(C(F)(F)F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-7.98	68.97	1.58	P	OUT
QL02272	Perfluoro-2-methyl-3-ethylpentane	354-97-2	FC(F)(F)C(F)(F)C(F)(C(F)(F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-8.13	69.23	1.64	P	OUT
QL02273	Perfluoro-3,4-dimethylhexane	1735-48-4	FC(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)F	-8.43	69.23	1.78	P	OUT
QL02274	Perfluoro-2,3-dimethylpentane	335-14-8	FC(F)(F)C(F)(F)C(C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-8.27	69.57	1.69	P	OUT
QL02275	1,1,1,2,2,3,4,4,5,5,5-Undecafluoro-3-(trifluoromethyl)pentane	865-71-4	FC(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)F	-8.36	70.00	1.72	P	OUT
QL02276	Perfluoro-2-methylbutane	594-91-2	FC(F)(F)C(F)(F)C(C(F)(F)F)C(F)(F)F	-7.64	70.59	1.38	P	OUT
QL02277	Perfluorodecahydro-1-sec-butyl-naphthalene	118945-64-5	FC(F)(F)C(F)(F)C(F)(C(F)(F)F)C1(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C12F	-8.86	65.00	2.09	P	IN

QL02278	Perfluorodecahydro-2-sec-butylinaphthalene (1S,2R)-1-(Heptafluoropropyl)-2-iodocyclohexane	119141-86-5	FC(F)(F)C(F)(F)C(F)(C(F)(F)F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F	-9.51	65.00	2.38	P	IN
QL02279	CIS-1-iodo-2-(HEPTAFLUOROPROPYL)CYCLOHEXANE	7589-44-8	FC(F)(F)C(F)(F)C(F)(F)[C@@H]1CCCC[C@H]1I	-6.27	29.63	1.90	P	IN
QL02280	42 Fluorotelomer unsaturated aldehyde	7589-43-7	FC(F)(F)C(F)(F)C(F)(F)[C@H]1CCCC[C@H]1I	-6.27	29.63	1.90	P	IN
QL02281	1-Bromoheptafluoropropane	864551-39-3	FC(F)(F)C(F)(F)C(F)(F)/C(F)=C/F=O	-7.41	47.06	1.93	P	IN
QL02282		422-85-5	FC(F)(F)C(F)(F)C(F)(F)Br	-7.64	72.73	1.32	P	OUT
QL02283	Bis[1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentan-2-yl]mercury	120674-92-2	FC(F)(F)C(F)(F)C(F)(F)C([Hg]C(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.03	66.67	2.12	P	IN
QL02284	N-Chloro-2,2,3,3,4,4,4-heptafluorobutanimidamide	13050-20-9	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=N)NCl	-7.38	50.00	1.84	P	IN
QL02285	N'-(Benzenesulfonyl)-2,2,3,3,4,4,4-heptafluorobutanimidohydrazide	4454-57-3	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=N)NNS(=O)(=O)c1ccccc1	-7.13	22.58	2.49	P	OUT
QL02286	2-Diazo-4,4,5,5,6,6,6-heptafluoro-1-phenylhexane-1,3-dione	872186-76-0	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C(=[N+]=[N-])C(=O)c1ccccc1	-7.21	25.00	2.45	P	OUT
QL02287	1,2-Pentanedione, 3,3,4,4,5,5,5-heptafluoro-1-phenyl-1-(1-Piperidinyl)-2-(triphenylphosphoranylidene)perfluorohexane-1,3-dione	69481-44-3	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C(=O)C1=CC=CC=C1	-6.96	28.00	2.26	P	OUT
QL02288		148192-46-5	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C(C(=O)N1CCCCC1)=P(C1=CC=CC=C1)(C1=CC=CC=C1)C1=CC=CC=C1	-6.03	10.77	2.32	P	OUT
QL02289	1,1,1,2,4,4,5,5,6,6,6-Undecafluoro-2-(trifluoromethyl)-3-hexanone	813-45-6	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C(F)(C(F)(F)F)C(F)(F)F	-8.23	63.64	1.84	P	IN
QL02290	4,4,5,5,6,6,6-Heptafluoro-1-phenylhex-1-yn-3-one	67036-08-2	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C#CC1=CC=CC=C1	-7.32	28.00	2.42	P	OUT
QL02291	1-Anilino-4,4,5,5,6,6,6-heptafluorohex-1-en-3-one	34648-00-5	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C=CNC1=CC=CC=C1	-7.23	24.14	2.49	P	OUT
QL02292	1-(3,5-Dibromophenyl)-2,2,3,3,4,4,4-heptafluorobutan-1-one	79851-20-0	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C1=CC(Br)=CC(Br)=C1	-7.40	39.13	2.15	P	IN
QL02293	2,2,3,3,4,4,4-heptafluoro-1-phenylbutan-1-one	559-91-1	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C1=CC=CC=C1	-6.92	30.43	2.17	P	IN
QL02294	2-(2,2,3,3,4,4,4-Heptafluorobutanoyl)cyclopentan-1-one	141478-83-3	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C1CCCC1=O	-6.18	28.00	1.91	P	OUT
QL02295	2-(2,2,3,3,4,4,4-Heptafluorobutanoyl)cyclohexan-1-one	37172-87-5	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)C1CCCCC1=O	-6.53	25.00	2.15	P	OUT
QL02296	5H,5H-Perfluoro-4,6-nonanedione	113116-18-0	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.71	51.85	2.38	P	IN
QL02297	4,4''-Bis((perfluoropropyl)-1,3-dioxopropyl)-o-terphenyl-4'-sulfonyl chloride	200862-70-0	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC(=O)C1=CC=C(C=C1)C1=C(C=C(C=C1)S(Cl)(=O)=O)C1=CC=C(C=C1)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-9.33	22.39	3.48	P	OUT
QL02298	4,4,5,5,6,6,6-Heptafluoro-1-phenylhexane-1,3-dione	53580-21-5	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC(=O)C1=CC=CC=C1	-7.15	25.00	2.43	P	OUT
QL02299	4,4,5,5,6,6,6-Heptafluoro-1-(furan-2-yl)hexane-1,3-dione	595-26-6	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC(=O)C1=CC=CO1	-6.92	28.00	2.24	P	OUT
QL02300	(Perfluorobutyl)-2-thenoylmethane	559-94-4	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC(=O)C1=CC=CS1	-6.92	28.00	2.24	P	OUT
QL02301	3,3,4,4,5,5,5-Heptafluoro-1-phenylpentan-2-one	559-96-6	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC1=CC=CC=C1	-6.87	26.92	2.25	P	OUT
QL02302	3,3,4,4,5,5,5-heptafluoro-1-pyridin-2-ylpentan-2-one	336-60-7	FC(F)(F)C(F)(F)C(F)(F)C(F)C(=O)CC1=CC=CC=N1	-6.94	28.00	2.25	P	OUT

QL02303	N,N-Dicyclohexyl-2,2,3,3,4,4,4-heptafluorobutanamide	386-84-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)N(C1CCCCC1)C1CCCCC1	-6.04	14.89	2.21	P	OUT
QL02304	N,N-Dichloro-2,2,3,3,4,4,4-heptafluorobutanamide	86451-48-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)N(Cl)Cl	-7.97	60.00	1.83	P	IN
QL02305	1-(Heptafluorobutyl)imidazole	32477-35-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1C=CN=C1	-6.64	35.00	1.92	P	IN
QL02306	N-Heptafluorobutylproline	56236-41-0	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCC[C@H]1C(Cl)=O	-6.81	29.63	2.15	P	IN
QL02307	1-(2,3-Dihydro-1H-indol-1-yl)-2,2,3,3,4,4,4-heptafluoro-1-butanone	543708-46-9	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCC2=CC=CC=C12	-6.69	24.14	2.24	P	OUT
QL02308	2,2,3,3,4,4,4-heptafluoro-1-pyrrolidin-1-ylbutan-1-one	424-54-4	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCCC1	-6.21	28.00	1.92	P	OUT
QL02309	2,2,3,3,4,4,4-Heptafluoro-1-(piperidin-1-yl)butan-1-one	425-19-4	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCCCC1	-6.58	25.00	2.17	P	OUT
QL02310	1,1'-(Piperazine-1,4-diyl)bis(heptafluorobutan-1-one)	120219-50-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCN(CC1)C(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.46	36.84	2.69	P	IN
QL02311	1-{4-[(2H-1,3-Benzodioxol-5-yl)methyl]piperazin-1-yl}-2,2,3,3,4,4,4-heptafluorobutan-1-one	546063-97-2	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCN(Cc2ccc3OCOc3c2)CC1	-7.64	16.28	2.89	P	OUT
QL02312	2,2,3,3,4,4,4-Heptafluoro-1-(piperazin-1-yl)butan-1-one	89245-13-6	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCNCC1	-6.64	25.93	2.17	P	OUT
QL02313	2,2,3,3,4,4,4-Heptafluoro-1-(morpholin-4-yl)butan-1-one	425-20-7	FC(F)(F)C(F)(F)C(F)(F)C(=O)N1CCOCC1	-6.70	26.92	2.17	P	OUT
QL02314	N,N'-1,3-Phenylenebis(perfluorobutanamide)	524726-48-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)=CC=C1	-8.78	36.84	2.83	P	IN
QL02315	Butanamide, N,N'-(1,1'-biphenyl)-4,4'-diylbis(2,2,3,3,4,4,4-heptafluoro-	75042-07-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=C(C=C1)C1=CC=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)C=C1	-9.08	29.17	3.18	P	OUT
QL02316	N,N'-(Methylenedi-1,4-phenylene)bis(perfluorobutanamide)	124232-75-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=C(CC2=CC=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)C=C2)C=C1	-9.17	27.45	3.27	P	OUT
QL02317	N,N'-1,4-Phenylenebis(perfluorobutanamide)	524726-49-6	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=C(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)C=C1	-8.84	36.84	2.86	P	IN
QL02318	AI 3-18011	336-61-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=CC=C1	-6.94	28.00	2.25	P	OUT
QL02319	Thiobenzyl N-heptafluorobutylanthranilate	82422-25-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=CC=C1C(=O)SCC1=CC=CC=C1	-7.68	17.07	2.89	P	OUT
QL02320	N-2-Pyridinylperfluorobutanamide	283172-09-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=CC=N1	-7.01	29.17	2.25	P	OUT
QL02321	2,2,3,3,4,4,4-Heptafluoro-N-{2-oxo-2,3-dihydropyrimidin-4-yl}butanamide	94720-20-4	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC=NC(=O)N1	-7.00	29.17	2.24	P	OUT
QL02322	(2-Naphthalenyl)perfluorobutanamide	582-00-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1=CC2=CC=CC=C2C=C1	-7.21	22.58	2.52	P	OUT
QL02323	N-(2,6-Dichlorophenyl)-2,2,3,3,4,4,4-heptafluorobutanamide	121806-69-7	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1c(Cl)cccc1Cl	-7.33	36.00	2.20	P	IN
QL02324	2,2,3,3,4,4,4-Heptafluoro-N-{2,4,5-trichlorophenyl}butanamide	121806-70-0	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cc(Cl)c(Cl)cc1Cl	-8.03	40.00	2.41	P	IN
QL02325	N-(2,5-Dichlorophenyl)-2,2,3,3,4,4,4-heptafluorobutanamide	121806-67-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cc(Cl)cccc1Cl	-7.38	36.00	2.23	P	IN
QL02326	N-(4-Bromophenyl)-2,2,3,3,4,4,4-heptafluorobutanamide	308-67-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1ccc(Br)cc1	-7.61	32.00	2.44	P	IN
QL02327	N-(4-Chlorophenyl)-2,2,3,3,4,4,4-heptafluorobutanamide	79497-98-6	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1ccc(Cl)cc1	-7.61	32.00	2.44	P	IN

QL02328	N-(2,4-Dichlorophenyl)- 2,2,3,3,4,4,4- heptafluorobutanamide	121806-66-4	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc(Cl)cc1Cl	-7.80	36.00	2.42	P	IN
QL02329	N-(3-Chlorophenyl)-2,2,3,3,4,4,4- heptafluorobutanamide	106376-36-7	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc(Cl)c1	-7.17	32.00	2.24	P	IN
QL02330	N-(2,3-Dichlorophenyl)- 2,2,3,3,4,4,4- heptafluorobutanamide	121806-68-6	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc(Cl)c1Cl	-7.38	36.00	2.23	P	IN
QL02331	N-(9,10-Dioxo-9,10- dihydroanthracen-1-yl)- 2,2,3,3,4,4,4- heptafluorobutanamide	162441-56-7	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc2C(=O)c3cccc3C(=O)c12	-7.32	18.92	2.67	P	OUT
QL02332	N-Cyclohexyl-2,2,3,3,4,4,4- heptafluorobutanamide	56663-38-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1CCCCC1	-6.60	22.58	2.25	P	OUT
QL02333	N-(2-Chlorophenyl)-2,2,3,3,4,4,4- heptafluorobutanamide	121806-65-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc1Cl	-7.14	32.00	2.23	P	IN
QL02334	2,2,3,3,4,4-Heptafluoro-N-(2- iodophenyl)butanamide	378215-44-2	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1cccc1I	-7.14	32.00	2.23	P	IN
QL02335	(1R-trans)-N,N'-1,2- Cyclohexanediylbis(perfluorobuta namide)	133964-60-0	FC(F)(F)C(F)(F)C(F)(F)C(=O)NC1CCCCC1NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.25	31.82	2.73	P	OUT
QL02336	2,2,3,3,4,4,4-Heptafluoro-N-(1H- 1,2,4-triazol-5-yl)butanamide	70501-47-2	FC(F)(F)C(F)(F)C(F)(F)C(=O)Nc1Nncn1	-7.09	33.33	2.17	P	IN
QL02337	Allylperfluorobutanamide	24429-61-6	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCC=C	-7.07	31.82	2.20	P	IN
QL02338	N- (Phenylmethyl)perfluorobutanami de	560-02-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCC1=CC=CC=C1	-7.14	25.00	2.42	P	OUT
QL02339	2,2,3,3,4,4,4-Heptafluoro-N-(2- phenylethyl)butanamide	29723-29-3	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCC1=CC=CC=C1	-7.14	22.58	2.49	P	OUT
QL02340	2,2,3,3,4,4,4-Heptafluoro-N-(3- phenylpropyl)butanamide	77970-73-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCC1CCCCC1	-7.35	20.59	2.64	P	OUT
QL02341	N,N'-bis(Perfluorobutanoyl)1,6- hexanediamine	123665-83-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCCCNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.72	30.43	2.98	P	OUT
QL02342	N,N'-bis(Perfluorobutanoyl)1,5- pentanediamine	1814-80-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCCCNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.75	32.56	2.94	P	OUT
QL02343	N,N'-bis(Perfluorobutanoyl)1,4- butanediamine	2967-59-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCCCNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.64	35.00	2.82	P	IN
QL02344	n-(2-chloroethyl)-2,2,3,3,4,4,4- heptafluorobutanamide	4314-29-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCl	-7.46	38.10	2.20	P	IN
QL02345	N,N'-bis(Perfluorobutanoyl)1,3- propanediamine	149981-59-9	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCCCCNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.70	37.84	2.77	P	IN
QL02346	ST50925188	86273-64-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)NCCNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.63	41.18	2.65	P	IN
QL02347	N'-Benzylidene-2,2,3,3,4,4,4- heptafluorobutanehydrazide	736-62-9	FC(F)(F)C(F)(F)C(F)(F)C(=O)NN=Cc1cccc1	-7.28	25.00	2.49	P	OUT
QL02348	2,2,3,3,4,4,4-Heptafluoro-N'- [(pyridin-4- yl)methylidene]butanehydrazide	109373-81-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NN=Cc1cnccc1	-7.34	25.93	2.49	P	OUT
QL02349	2,2,3,3,4,4,4-heptafluoro-n'- (2,2,3,3,4,4,4- heptafluorobutanoyl)butanehydra zide	648-19-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)NNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.74	50.00	2.45	P	IN
QL02350	2,2,3,3,4,4,4-Heptafluoro-N'- phenylbutanehydrazide	77146-66-8	FC(F)(F)C(F)(F)C(F)(F)C(=O)NNc1cccc1	-7.20	25.93	2.42	P	OUT
QL02351	4-Chlorophenyl (2,2,3,3,4,4,4- heptafluorobutanoyl)sulfamate	1443258-17-0	FC(F)(F)C(F)(F)C(F)(F)C(=O)NS(=O)(=O)Oc1ccc(Cl)cc1	-7.88	27.59	2.68	P	OUT
QL02352	Heptafluorobutanoic anhydride	NOCAS_861881	FC(F)(F)C(F)(F)C(F)(F)C(=O)OC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.96	56.00	2.38	P	IN
QL02353	1,1,1,3,3,3-Hexafluoro-2- (trifluoromethyl)propan-2-yl heptafluorobutanoate	922168-38-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)OC(C(F)(F)F)(C(F)(F)F)C(F)(F)F	-8.36	61.54	1.96	P	IN

QL02354	Vinyl perfluorobutyrate	356-28-5	FC(F)(F)C(F)(F)C(F)(F)C(=O)OC=C	-6.91	38.89	1.93	P	IN
QL02355	Decane-1,10-diyl	426-64-2	FC(F)(F)C(F)(F)C(F)(F)C(=O)OCCCCCCCCCOC(=O)C(F)(F)C(F)(F)C(F)(F)F	-9.01	25.00	3.27	P	OUT
QL02356	bis(heptafluorobutanoate)	336-64-1	FC(F)(F)C(F)(F)C(F)(F)C(=O)OOC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.98	53.85	2.45	P	IN
QL02357	2,2,3,3,4,4,4-Heptafluoro-1-(morpholin-4-yl)butane-1-thione	1206684-15-2	FC(F)(F)C(F)(F)C(F)(F)C(=S)N1CCOCC1	-6.70	26.92	2.17	P	OUT
QL02358	2,2,3,3,4,4,4-Heptafluoro-N-phenylbutanethioamide	61881-12-7	FC(F)(F)C(F)(F)C(F)(F)C(=S)NC1=CC=CC=C1	-6.94	28.00	2.25	P	OUT
QL02359	2-bromo-1,1,1,3,3,4,4,5,5,5-decafluoro-2-(trifluoromethyl)pentane	22528-67-2	FC(F)(F)C(F)(F)C(F)(F)C(Br)(C(F)(F)F)C(F)(F)F	-8.36	70.00	1.72	P	OUT
QL02360	2-bromo-3,3,4,4,5,5,5-heptafluoropent-1-ene	96916-53-9	FC(F)(F)C(F)(F)C(F)(F)C(Br)=C	-6.75	53.33	1.46	P	IN
QL02361	heptafluorobutanoyl bromide	375-13-3	FC(F)(F)C(F)(F)C(F)(F)C(Br)=O	-7.26	61.54	1.46	P	IN
QL02362	4,5-Dibromo-1,1,1,2,2,3,3-heptafluoropentane	377-46-8	FC(F)(F)C(F)(F)C(F)(F)C(Br)CBr	-7.56	52.94	1.84	P	IN
QL02363	1,1,1,2,2,3,3,5,6,6,6-Undecafluoro-4,4,5-tris(trifluoromethyl)hexane	86714-23-0	FC(F)(F)C(F)(F)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-8.44	68.97	1.79	P	OUT
QL02364	1,1,1,2,2,3,3,5,5,5-Decafluoro-4,4-bis(trifluoromethyl)pentane	29971-79-7	FC(F)(F)C(F)(F)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(F)F	-8.13	69.57	1.63	P	OUT
QL02365	4,4,5,5,6,6,6-Heptafluoro-3,3-bis(trifluoromethyl)hex-1-ene	79272-26-7	FC(F)(F)C(F)(F)C(F)(F)C(C=C)(C(F)(F)F)C(F)(F)F	-7.31	54.17	1.69	P	IN
QL02366	1-bromo-4,4,5,5,6,6,6-heptafluoro-3,3-bis(trifluoromethyl)hex-1-ene	128454-94-4	FC(F)(F)C(F)(F)C(F)(F)C(C=CBr)(C(F)(F)F)C(F)(F)F	-7.79	58.33	1.79	P	IN
QL02367	6,6,7,7,8,8,8-Heptafluoro-5,5-bis(trifluoromethyl)octa-1,3-diene	1429188-77-1	FC(F)(F)C(F)(F)C(F)(F)C(C=CC=C)(C(F)(F)F)C(F)(F)F	-7.60	46.43	2.04	P	IN
QL02368	4,4,5,5,6,6,6-heptafluoro-1-iodo-3,3-bis(trifluoromethyl)hex-1-ene	126681-21-8	FC(F)(F)C(F)(F)C(F)(F)C(C=C)(C(F)(F)F)C(F)(F)F	-7.79	58.33	1.79	P	IN
QL02369	(Perfluoropropyl)-2-(2-phenylhydrazinylidene)ethanal phenylhydrazone	57912-15-9	FC(F)(F)C(F)(F)C(F)(F)C(C(=NNC1=CC=CC=C1)=NNC1=CC=CC=C1)	-7.21	17.07	2.68	P	OUT
QL02370	2,2'-(2,2,3,3,4,4,4-Heptafluorobutane-1,1-diyl)di(1H-pyrrole)	164792-01-2	FC(F)(F)C(F)(F)C(F)(F)C(c1Nccc1)c1Nccc1	-5.81	23.33	1.87	P	OUT
QL02371	1,1,1,2,2,3,3,10,10,11,11,12,12,12-Tetradecafluoro-4,4,9,9-tetrakis(trifluoromethyl)dodec-6-ene	1946796-71-9	FC(F)(F)C(F)(F)C(F)(F)C(CC=CCC(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)F)C(F)(F)F	-8.79	54.17	2.35	P	IN
QL02372	Bis(4-[3,3,4,4,5,5,5-heptafluoro-2,2-bis(trifluoromethyl)pentyl]phenyl)(phenyl)phosphane	322647-83-6	FC(F)(F)C(F)(F)C(F)(F)C(CC1=CC=C(C=C1)P(C1=CC=CC=C1)C1=CC=C(CC(C(F)(F)F)(C(F)(F)F)C(F)(F)F)C(F)(F)F)C(F)(F)F	-9.14	34.21	3.07	P	OUT
QL02373	1-Bromo-4-[3,3,4,4,5,5,5-heptafluoro-2,2-bis(trifluoromethyl)pentyl]benzene	149068-60-0	FC(F)(F)C(F)(F)C(F)(F)C(Cc1ccc(Br)cc1)(C(F)(F)F)C(F)(F)F	-7.83	42.42	2.25	P	IN
QL02374	Tris(4-[3,3,4,4,5,5,5-heptafluoro-2,2-bis(trifluoromethyl)pentyl]phenyl)phosphane	322647-82-5	FC(F)(F)C(F)(F)C(F)(F)C(Cc1ccc(cc1)P(c1ccc(CC(C(F)(F)F)(C(F)(F)F)C(F)(F)F)cc1)c1ccc(CC(C(F)(F)F)(C(F)(F)F)C(F)(F)F)cc1)(C(F)(F)F)C(F)(F)F	-9.27	40.21	2.96	P	IN
QL02375	2-[3,3,4,4,5,5,5-Heptafluoro-2,2-bis(trifluoromethyl)pentyl]oxirane	119285-89-1	FC(F)(F)C(F)(F)C(F)(F)C(CC1CO1)(C(F)(F)F)C(F)(F)F	-7.11	46.43	1.81	P	IN
QL02376	6-Bromo-1,1,1,2,2,3,3-heptafluoro-4,4-bis(trifluoromethyl)hexane	128454-91-1	FC(F)(F)C(F)(F)C(F)(F)C(CBr)(C(F)(F)F)C(F)(F)F	-7.51	53.85	1.79	P	IN

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QL02656	19-Bromo-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluorononadecane 4'-	1597-70-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCCBr	-9.58	30.51	3.37	P	OUT
QL02657	[(12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,19-Heptadecafluorononadecyl)oxy][1,1'-biphenyl]-4-carbonitrile	117750-26-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCCOC1ccc(cc1)-c1ccc(cc1)C#N	-10.12	20.99	3.88	P	OUT
QL02658	(11-(F-Octyl)undecyl)dimorpholinophosphoramidate	134051-92-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCCOP(=O)(N1CCOCC1)N1CCOCC1	-9.27	19.10	3.55	P	OUT
QL02659	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-12-iodododecane	38565-62-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCI	-9.22	47.37	2.74	P	IN
QL02660	3-(Perfluorooctyl)propyl iodide	200112-75-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCI	-9.35	51.43	2.68	P	IN
QL02661	11-Azido-1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoroundecane	852527-61-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCN=[N+]=[N-]	-9.50	45.95	2.91	P	IN
QL02662	N-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecyl)maleimide	852527-40-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCN1C(=O)C=CC1=O	-9.05	39.53	2.88	P	IN
QL02663	1-(3-(Perfluorooctyl)propyl)-2H-3,1-benzoxazine-2,4(1H)-dione	544418-04-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCN1C(=O)OC(=O)C2=CC=CC=C12	-9.11	34.00	3.06	P	OUT
QL02664	N-(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecyl)iodoacetamide	852527-48-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCN(C(=O)O)CI	-9.41	42.86	2.95	P	IN
QL02665	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Heptadecafluoroundecyl prop-2-enoate	1652-60-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCO(C(=O)O)C=C	-9.26	40.48	2.95	P	IN
QL02666	4-[3-(Perfluorooctyl)-1-propyloxy]benzaldehyde	494798-73-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCOc1=CC=C(C(=O)O)C=C1	-9.57	35.42	3.23	P	OUT
QL02667	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-isocyanatodecane	142010-50-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCN=C=O	-9.39	50.00	2.74	P	IN
QL02668	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl pyridine-3-carboxylate	331716-84-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(=O)c1ccncc1	-9.46	38.64	3.09	P	IN
QL02669	n2 perfluoroalkyl acrylates, n=8		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(CC(C)=C)=O	-9.09	37.78	2.95	P	IN
QL02670	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=5		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCO[H]	-9.76	27.87	3.52	P	OUT
QL02671	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=6		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCO[H]	-9.99	25.00	3.71	P	OUT
QL02672	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=7		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCOCCO[H]	-10.11	22.67	3.83	P	OUT
QL02673	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=8		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCOCCOCCO[H]	-10.34	20.73	3.98	P	OUT
QL02674	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=9		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCOCCOCCOCCO[H]	-10.46	19.10	4.09	P	OUT
QL02675	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=10		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCO[H]	-10.67	17.71	4.22	P	OUT
QL02676	multiple H-substituted, multiple ether-substituted perfluoroalkyl alcohols, n=4, m=11		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCO[H]	-10.80	16.50	4.31	P	OUT

QL02870	1H,1H-Tridecafluoro-1-iodoheptane	212563-43-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)Cl	-8.75	60.87	2.15	P	IN
QL02871	Perfluorohexylchloride	355-41-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)Cl	-8.75	70.00	1.90	P	OUT
QL02872	1,1-Dihydroperfluoroheptyl acrylate	559-11-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COC(=O)C=C	-8.48	43.33	2.52	P	IN
QL02873	multiple H-substituted-ether-substituted-perfluoroalkyl (linear) carboxylic acids, n=6		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COCC(O)=O	-8.48	43.33	2.52	P	IN
QL02874	Perfluorotrihexylamine	432-08-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)N(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F))C(F)(F)C(F)(F)C(F)(F)	-10.64	67.24	2.82	P	OUT
QL02875	1-Chloro-4-(1,1,2,2,3,3,4,4,5,5,6,6-tridecafluorohexane-1-sulfonyl)benzene	76848-59-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)c1ccc(Cl)cc1	-8.82	42.42	2.69	P	IN
QL02876	1-(Perfluorohexyl)sulfonylamino pyridinium	254889-10-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)N[N+]=CC=CC=C1	-8.49	37.14	2.69	P	IN
QL02877	Hexane, 1-(ethenylsulfinyl)-1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-	680187-85-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)C=C	-8.27	50.00	2.24	P	IN
QL02878	Hexane, 1-(pentafluorothio)-tridecafluoro-	1423-20-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(F)(F)(F)F	-9.38	72.00	2.12	P	OUT
QL02879	Perfluoroalkyl (linear) sulfinate, n=6		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)=O	-8.50	56.52	2.16	P	IN
QL02880	[(Tridecafluoroethyl)sulfonyl]benzene	69127-72-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)SC1=CC=CC=C1	-8.40	41.94	2.52	P	IN
QL02881	Tridecafluorohexanesulphenyl chloride	89987-98-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)SCl	-9.11	66.67	2.15	P	IN
QL02882	Bis(tridecafluorohexyl) disulphide	93962-52-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)SSC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.66	65.00	2.90	P	OUT
QL02883	Pentadecafluoro-2-iodoheptane	24394-25-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(I)C(F)(F)F	-9.29	69.57	2.15	P	OUT
QL02884	Undecafluorohexanenitrile	23790-49-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#N	-8.19	61.11	1.89	P	IN
QL02885	3,3,4,4,5,5,6,6,7,7-Undecafluorohept-1-ene	84100-13-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C	-7.65	52.38	1.89	P	IN
QL02886	2,2,3,3,4,4,5,5,6,6-Undecafluorohexanal	754-79-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=O	-7.99	57.89	1.89	P	IN
QL02887	5-(Undecafluoropentyl)-1H-imidazole	113934-18-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CN=CN1	-7.86	45.83	2.17	P	IN
QL02888	2,4,6-Tris(undecafluoropentyl)-1,3,5-triazine	23790-50-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)Cc1nc(nc(n1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)	-10.07	61.11	2.74	P	OUT
QL02889	1 OH-substituted n2 fluorotelomer sulfonic acids, n=5		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CC(O)S(=O)(O)=O	-7.60	39.29	2.24	P	IN
QL02890	1,1,1,2,2,3,3,4,4,5,5,8,8,9,9,10,10,11,11,12,12,12-Docosafluorododecane	1835255-38-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.76	57.89	2.69	P	IN
QL02891	4,4,5,5,6,6,7,7,8,8-Undecafluorooctanal	195047-10-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCC=O	-7.92	44.00	2.25	P	IN
QL02892	1,1,1,2,2,3,3,4,4,5,5,12,12,13,13,14,14,15,15,16,16-Docosafluorohexadecane	1835255-25-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.59	44.00	3.00	P	IN
QL02893	1,1,1,2,2,3,3,4,4,5,5,16,16,17,17,18,18-Docosafluorooctadecane	1835255-24-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.60	39.29	3.13	P	IN
QL02894	1,1,1,2,2,3,3,4,4,5,5,16,16,17,17,18,19,19,20,20,20-Docosafluoroicosane	1835252-07-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.64	35.48	3.26	P	OUT
QL02895	1,1,1,2,2,3,3,4,4,5,5,19,19,20,20,21,21,22,22,23,23,23-Docosafluorotricosane	1980076-48-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.80	30.99	3.46	P	OUT
QL02896	n2 perfluoroalkyl acrylates, n=5		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(CC(C)=C)=O	-8.04	30.56	2.68	P	OUT
QL02897	1-Iodo-1H,1H-perfluorohexane	335-50-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CI	-8.12	60.00	1.89	P	IN

QL02898	2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl prop-2-enoate 6-(Ethenyloxy)-	376-56-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COC(=O)C=C
QL02899	1,1,1,2,2,3,3,4,4,5,5-undecafluorohexane	595-00-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COC=C
QL02900	1,1,1,2,2,3,3,4,4,5,5-Undecafluoro-6-[[prop-2-en-1-yl]oxy]hexane 2-[[{2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl]oxy)methyl]oxirane	1516879-68-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COC=C
QL02901	2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl	140369-64-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COC1CO1
QL02902	nonafluorobutane-1-sulfonate 2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexyl	924894-08-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F
QL02903	trifluoromethanesulfonate n1 fluorotelomer sulfonic acids, n=5	168632-11-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)COS(=O)(=O)C(F)(F)F
QL02904	Perflenapent	678-26-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CS(=O)(O)=O
QL02905	2,2,3,3,4,4,5,5-Octafluoro-1-(undecafluoropentyl)pyrrolidine ether-substituted perfluoroalkyl (linear) caborxylic acids_i, n=5	94718-24-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)N1C(F)(F)C(F)(F)C1(F)F
QL02907			FC(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)F)C(O)=O
QL02908	1,1,1,2,2,3,3,4,4,5,5-Undecafluoro-5-[1,1,2,3,3,3-hexafluoro-2-(trifluoromethyl)propoxy]pentane	169477-62-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(C(F)(F)F)C(F)(F)F
QL02909	1,1,2,2,3,3,4,4,5,5,5-undecafluoro-N-(2-hydroxyethyl)pentane-1-sulfonamide		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(NCCO)=O
QL02910	Perfluoroalkyl (linear) sulfinate, n=5		FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)=O
QL02911	1,1,1,2,2,3,3,4,4,5,5,6,6-Tridecafluoro-5-iodohexane	355-44-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)I(C(F)(F)F
QL02912	2,2,3,3,4,4,5,5,5-Nonafluoropentane-1,1-diol (3,3,4,4,5,5,6,6,6-Nonafluorohex-1-yn-1-yl)benzene	355-30-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)O
QL02913	2,2,3,3,4,4,5,5,5-nonafluoropentanenitrile	66249-23-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#Cc1ccccc1
QL02914	1H,1H,2H-Perfluoro-1-hexene	22325-71-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#N
QL02915	(3,3,4,4,5,5,6,6,6-Nonafluoro-1-iodohex-1-en-1-yl)benzene	19430-93-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C
QL02916		109574-90-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C(I)C1=CC=CC=C1
QL02917	[(1Z)-3,3,4,4,5,5,6,6,6-Nonafluorohex-1-en-1-yl]benzene	95452-53-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C/c1ccccc1
QL02918	4,4,5,5,6,6,7,7,7-Nonafluorohepta-1,2-diene (5E)-	132673-98-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C=C
QL02919	1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-Hexacosafuorotetradec-5-ene (5E)-	51249-69-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL02920	1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,11,11,12,12,12-Docosafuorododec-5-ene	51249-66-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F

-8.23	40.74	2.48	P	IN
-7.92	44.00	2.25	P	IN
-8.16	39.29	2.49	P	IN
-8.06	37.93	2.48	P	IN
-9.62	55.56	2.69	P	IN
-8.84	51.85	2.44	P	IN
-7.83	45.83	2.15	P	IN
-8.55	70.59	1.79	P	OUT
-9.13	65.52	2.19	P	IN
-8.53	55.56	2.20	P	IN
-9.64	66.67	2.39	P	IN
-8.01	37.93	2.46	P	IN
-7.83	55.00	1.90	P	IN
-8.75	70.00	1.90	P	OUT
-7.15	47.37	1.81	P	IN
-7.75	34.62	2.43	P	IN
-7.93	60.00	1.81	P	IN
-7.31	50.00	1.81	P	IN
-7.80	35.71	2.42	P	IN
-7.59	32.14	2.43	P	IN
-7.37	47.37	1.91	P	IN
-10.55	61.90	2.93	P	OUT
-10.06	61.11	2.73	P	OUT

QL02921	1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,11,11,11-icosafuoroundec-5-ene	100508-28-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL02922	1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,10-Octadecafluorodec-5-ene	84551-43-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL02923	Perfluorovaleraldehyde	375-53-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=O
QL02924	Perfluorobutytycyclohexane	374-60-7	FC(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F
QL02925	Perfluorodecahydro-1-(perfluorobutyl)naphthalene	118914-93-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C12F
QL02926	Perfluorodecahydro-2-n-butyl-naphthalene	119107-96-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F
QL02927	Furan, 2,2,3,3,4,5,5-heptafluorotetrahydro-4-(nonafluorobutyl)-	646-85-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)OC(F)(F)C1(F)F
QL02928	3,4,4-Trifluoro-3-(nonafluorobutyl)-1,2lambda~6~-oxathietane-2,2-dione	85211-95-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)OS1(=O)=O
QL02929	2,2,3-Trifluoro-3-(nonafluorobutyl)oxirane	72804-48-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)OC1(F)F
QL02930	2-(Nonafluorobutyl)-4H-1-benzopyran-4-one	304877-96-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC(=O)c2ccccc2O1
QL02931	6-(Nonafluorobutyl)-2-phenylpyrimidin-4(3H)-one	180748-44-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC(=O)NC(=N1)c1ccccc1
QL02932	6-(Nonafluorobutyl)-2-sulfanylidene-2,3-dihydropyrimidin-4(1H)-one	1426894-99-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC(=O)NC(=S)N1
QL02933	9-(Nonafluorobutyl)-2,3,6,7-tetrahydro-1H,5H,11H-pyrano[2,3-f]pyrido[3,2,1-ij]quinolin-11-one	355822-08-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC(=O)Oc2c3CCCN4CCc(cc12)c34
QL02934	Benzene, (nonafluorobutyl)-	2398-75-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC=CC=C1
QL02935	2-(Nonafluorobutyl)-1H-indene	1608112-37-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=Cc2ccccc2C1
QL02936	SCHEMBL1270621	58671-28-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CNC(=O)NC1=O
QL02937	4-(Nonafluorobutyl)-1,3-dihydro-2H-1,5-benzodiazepin-2-one	96146-12-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=Nc2ccccc2NC(=O)C1
QL02938	2-(Nonafluorobutyl)-1-benzofuran	1608112-36-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1cc2ccccc2o1
QL02939	2-(Nonafluorobutyl)-1-benzothiophene	1608112-38-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1cc2ccccc2s1
QL02940	4-(Nonafluorobutyl)benzene-1,2-dicarbonitrile	1207299-71-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1ccc(C#N)c(c1)C#N
QL02941	1-Ethenyl-4-(nonafluorobutyl)benzene	159241-92-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1ccc(C=C)cc1
QL02942	4-(Nonafluorobutyl)benzonitrile	137052-16-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1ccc(cc1)C#N
QL02943	7-(Nonafluorobutyl)-1-benzothiophene	1608112-40-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1cccc2ccsc12
QL02944	Tetrahydro(perfluorobutyl)furan	26446-59-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1CCCCO1
QL02945	2-(Nonafluorobutyl)thiophene	96721-81-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1cccs1
QL02946	3-(Nonafluorobutyl)-1H-indole	1608112-33-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1cNc2ccccc12
QL02947	Nonafluorobutylepoxide	89807-87-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1CO1
QL02948	4-(Nonafluorobutyl)-1,3-dioxolan-2-one	1469980-27-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1COC(=O)O1
QL02949	3-(Nonafluorobutyl)-1-benzothiophene	1608112-39-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1csc2ccccc12
QL02950	2-(Nonafluorobutyl)-1H-indole	1608112-34-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1Nc2ccccc2c1
QL02951	3-(Nonafluorobutyl)-5-phenyl-1H-pyrazole	204130-95-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1nNc(c1):c1ccccc1
QL02952	11-(Nonafluorobutyl)-9,10-dihydro-9,10-(epithiomethano)anthracene	267648-90-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C1SC2c3ccccc3C1c1ccccc21

-9.80	60.61	2.63	P	IN
-9.36	60.00	2.45	P	IN
-7.70	56.25	1.81	P	IN
-9.18	66.67	2.19	P	IN
-9.42	65.00	2.34	P	IN
-9.81	65.00	2.51	P	IN
-8.83	64.00	2.10	P	IN
-7.73	54.55	1.87	P	IN
-8.33	63.16	1.90	P	IN
-7.55	31.03	2.44	P	IN
-7.49	27.27	2.52	P	OUT
-7.34	37.50	2.17	P	IN
-7.01	20.00	2.51	P	OUT
-7.38	37.50	2.18	P	IN
-7.14	31.03	2.26	P	IN
-7.51	37.50	2.24	P	IN
-7.32	28.13	2.42	P	OUT
-7.29	33.33	2.26	P	IN
-7.29	33.33	2.26	P	IN
-7.80	34.62	2.45	P	IN
-7.68	32.14	2.47	P	IN
-7.92	36.00	2.47	P	IN
-7.06	33.33	2.16	P	IN
-6.67	36.00	1.91	P	IN
-7.10	42.86	1.91	P	IN
-7.18	32.14	2.24	P	IN
-7.15	47.37	1.81	P	IN
-7.59	40.91	2.18	P	IN
-7.26	33.33	2.24	P	IN
-7.21	32.14	2.26	P	IN
-7.68	29.03	2.55	P	OUT
-6.94	22.50	2.40	P	OUT

[illegible]

QL02977	1H,1H,2H,2H-Perfluorohexyl bromide	38436-14-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCBr	-7.53	50.00	1.91	P	IN
QL02978	1-[[[4,4,5,5,6,6,7,7,7-Nonafluoroheptanoyl]oxy]pyrrolidine-2,5-dione	852527-43-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCC(=O)ON1C(=O)CCC1=O	-7.34	27.27	2.45	P	OUT
QL02979	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,13,13,14,14,14-Hexacosaufluorotetradecane	53638-09-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.38	59.09	2.93	P	OUT
QL02980	Decane, 1,1,1,2,2,3,3,4,4,7,7,8,8,9,9,10,10,10-octadecafluoro-	142083-52-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.13	56.25	2.45	P	IN
QL02981	1,1,1,2,2,3,3,4,4-Nonafluoro-7,7-diisocyanatoheptane	306976-22-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCC(N=C=O)N=C=O	-7.65	33.33	2.42	P	IN
QL02982	4,4,5,5,6,6,7,7-Nonafluoroheptanenitrile	26649-23-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CC#N	-7.76	42.86	2.21	P	IN
QL02983	1-[[[[4-(2-(Perfluorobutyl)-1-ethyl)phenyl]methoxy]carbonyl]oxy]-2,5-pyrrolidinedione	825635-46-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCC1=CC=C(COC(=O)ON2C(=O)CCC2=O)C=C1	-8.10	19.15	3.02	P	OUT
QL02984	8-Bromo-1,1,1,2,2,3,3,4,4-nonafluorooctane	38436-18-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCBr	-7.65	38.46	2.28	P	IN
QL02985	10-Bromo-1,1,1,2,2,3,3,4,4-nonafluorodecane	457603-91-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCBr	-7.74	31.25	2.52	P	IN
QL02986	1,1,1,2,2,3,3,4,4,11,11,12,12,13,13,14,14,14-Octadecafluorotetradecane	1835252-03-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.98	40.91	2.81	P	IN
QL02987	1,1,1,2,2,3,3,4,4,13,13,14,14,15,15,16,16,16-Octadecafluorohexadecane	1835252-00-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.03	36.00	2.97	P	IN
QL02988	12,12,13,13,14,14,15,15,15-Nonafluoropentadecanoyl chloride	118624-68-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCC(Cl)=O	-8.27	21.74	3.02	P	OUT
QL02989	1,1,1,2,2,3,3,4,4,15,15,16,16,17,17,18,18,18-Octadecafluorooctadecane	1835251-99-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.11	32.14	3.11	P	OUT
QL02990	15-Bromo-1,1,1,2,2,3,3,4,4-nonafluoropentadecane	213207-95-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCCCCCCBr	-8.29	21.28	3.04	P	OUT
QL02991	1,1,1,2,2,3,3,4,4-Nonafluoro-8-iodooctane	99324-98-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCCI	-7.65	38.46	2.28	P	IN
QL02992	4,4,5,5,6,6,7,7-Nonafluoroheptyl iodide	183547-74-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCCI	-7.80	43.48	2.21	P	IN
QL02993	4,4,5,5,6,6,7,7-Nonafluoroheptyl prop-2-enoate	443145-46-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(=O)C=C	-7.63	30.00	2.51	P	OUT
QL02994	4,4,5,5,6,6,7,7-Nonafluoroheptyl carbonochloridate	821806-42-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(Cl)=O	-8.01	38.46	2.44	P	IN
QL02995	(3,3,4,4,5,5,6,6-Nonafluorohexyl)carbonimidoyl	142030-27-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCN=C(Cl)Cl	-8.21	47.83	2.27	P	IN
QL02996	Bis(3,3,4,4,5,5,6,6-Nonafluorohexyl) butanedioate	508194-70-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(=O)CCC(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.41	36.00	3.14	P	OUT
QL02997	bis((Perfluorobutyl)ethyl) carbonate	1132677-78-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.40	42.86	2.95	P	IN
QL02998	3,3,4,4,5,5,6,6-Nonafluorohexyl carbonochloridate	40678-17-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC(Cl)=O	-7.94	43.48	2.27	P	IN
QL02999	6-(Ethenyloxy)-1,1,1,2,2,3,3,4,4-nonafluorohexane	63391-84-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC=C	-7.50	36.00	2.28	P	IN
QL03000	3,3,4,4,5,5,6,6-Nonafluorohexyl formate	78689-20-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOC=O	-7.70	39.13	2.28	P	IN
QL03001	1,1,1,2,2,3,3,4,4-Nonafluoro-6-((prop-2-en-1-yl)oxy)hexane	188298-09-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCOCC=C	-7.66	32.14	2.46	P	IN

QL03031	N-[(4-Bromophenyl)(perfluorobutyl)oxido-λ4-sulfanylidene]-1,1,1-trifluoromethanesulfonamide	1421133-01-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=NS(=O)=O)C(F)(F)C(F)C1=CC=C(Br)C=C1	-7.91	38.24	2.40	P	IN
QL03032	bis(Perfluorobutylsulfonyl)methylenephenyliodine	681477-42-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C(=I)C1=CC=CC=C1S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.67	42.22	2.63	P	IN
QL03033	1-[Bis(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)methanesulfonyl]-1,1,2,2,3,3,4,4,4-nonafluorobutane	182505-69-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C(S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-9.34	54.00	2.61	P	IN
QL03034	Nonafluorobutane-1-sulfonyl]ethynyl]benzene	63369-94-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)C#CC1=CC=CC=C1	-7.76	31.03	2.53	P	IN
QL03035	2-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)-1-phenylethan-1-one	58510-75-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)CC(=O)C1=CC=CC=C1	-7.57	28.13	2.53	P	OUT
QL03036	[(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)methyl]benzene	879081-10-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)Cc1ccccc1	-7.55	30.00	2.47	P	OUT
QL03037	1,1,1,2,2,3,3,4,4-Nonafluoro-4-[(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonyl)methanesulfonyl]butane	29214-37-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)CS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.24	51.43	2.63	P	IN
QL03038	N-[(4-Bromophenyl)oxido(trifluoromethyl)sulfanylidene]perfluorobutanesulfonamide	1421133-00-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)N=S(=O)(C1=CC=C(Br)C=C1)C(F)(F)F	-8.36	38.24	2.60	P	IN
QL03039	1-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)-1H-benzotriazole	681443-29-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)n1nnc2ccccc12	-7.58	31.03	2.45	P	IN
QL03040	N-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)cyclopent-2-ene-1-carboxamide	1440968-24-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NC(=O)C1CCC=C1	-7.43	28.13	2.47	P	OUT
QL03041	N-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)cyclopentanecarboxamide	1440968-21-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NC(=O)C1CCCC1	-7.33	26.47	2.47	P	OUT
QL03042	N-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)cyclohexanecarboxamide	1440968-37-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NC(=O)C1CCCCC1	-7.34	24.32	2.53	P	OUT
QL03043	N,N'-(3,4-Dioxocyclobut-1-ene-1,2-diyl)bis(1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonamide)	1234571-87-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NC1=C(NS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(=O)C1=O	-9.37	42.86	2.93	P	IN
QL03044	N-Cyclooctyl-1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonamide	1456900-48-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NC1CCCCCCC1	-7.19	21.95	2.53	P	OUT
QL03045	1,1,2,2,3,3,4,4,4-nonafluoro-N-[(trifluoromethyl)sulfonyl]-1-Butanesulfonamide	39847-37-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)NS(=O)(=O)C(F)(F)F	-8.13	48.00	2.23	P	IN
QL03046	Vinyl nonafluoro-1-butanefulfonate	42409-05-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OC=C	-7.56	40.91	2.17	P	IN
QL03047	Phenyl nonafluorobutane-1-sulfonate	25628-11-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OC1=CC=CC=C1	-7.69	32.14	2.47	P	IN
QL03048	Cyclopent-1-en-1-yl nonafluorobutane-1-sulfonate	36839-94-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OC1=CCCC1	-7.11	31.03	2.24	P	IN
QL03049	Cyclohex-1-en-1-yl nonafluorobutane-1-sulfonate	36839-95-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OC1=CCCCC1	-7.44	28.13	2.47	P	OUT

QL03050	Cyclohept-1-en-1-yl nonafluorobutane-1-sulfonate	42108-79-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OC1=CCCCC1	-7.28	25.71	2.47	P	OUT
QL03051	4-Cyanophenyl nonafluorobutane-1-sulfonate	626201-15-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)Oc1ccc(cc1)C#N	-8.07	31.03	2.68	P	OUT
QL03052	2,4-Dichlorophenyl nonafluorobutane-1-sulfonate	32848-21-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)Oc1ccc(Cl)cc1Cl	-8.23	39.29	2.52	P	IN
QL03053	Quinolin-8-yl nonafluorobutane-1-sulfonate	41605-60-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)Oc1cccc2ccnc12	-7.47	27.27	2.51	P	OUT
QL03054	2-Cyanophenyl nonafluorobutane-1-sulfonate	873838-37-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)Oc1ccccc1C#N	-7.58	31.03	2.45	P	IN
QL03055	1,2-Ethanediyl bis(perfluorobutanesulfonate)	92982-03-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)OCCOS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.32	45.00	2.85	P	IN
QL03056	2-[(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonyl)oxy]-3a,4,7,7a-tetrahydro-1H-4,7-methanoisindole-1,3(2H)-dione	307531-76-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)ON1C(=O)C2C3CC(C=C3)C2C1=O	-7.27	24.32	2.50	P	OUT
QL03057	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-1-Butanesulfonamide	34454-99-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(NCCO)=O	-7.34	34.62	2.25	P	IN
QL03058	[1-(1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfinyl)ethenyl]benzene	1606997-41-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)C(=C)c1ccccc1	-7.52	30.00	2.45	P	OUT
QL03059	Perfluoro-1-butanefulfonyl chloride	2991-84-6	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(Cl)(=O)=O	-7.83	58.82	1.79	P	IN
QL03060	Perfluorobutanefulfonyl chloride	41006-41-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(Cl)=O	-8.08	62.50	1.81	P	IN
QL03061	Perfluorobutane sulfonamidoacetic acid	347872-22-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(NCC(=O)O)=O	-7.42	36.00	2.24	P	IN
QL03062	Perfluoroalkyl (linear) sulfinate, n=4	34642-43-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)=O	-7.49	52.94	1.81	P	IN
QL03063	[(Nonafluorobutyl)disulfonyl]benzene	1606997-42-5	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)SSc1ccccc1	-7.75	34.62	2.43	P	IN
QL03064	1,1,1,2,2,3,3,4,5,5,5-Decafluoro-4-iodopentane	68158-13-4	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)I(F)(F)F	-8.55	70.59	1.79	P	OUT
QL03065	1,1,1,2,2,3,3,5,5,5-Decafluoro-4-iodo-4-(trifluoromethyl)pentane	102780-88-1	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.36	70.00	1.72	P	OUT
QL03066	1-ethoxy-2,2,3,3,4,4,4-heptafluorobutan-1-ol	356-26-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)OCC	-6.47	31.82	1.93	P	IN
QL03067	2,2,3,3,4,4,4-Heptafluoro-1-phenylbutyl diphenyl phosphate	98010-21-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(OP(=O)(Oc1ccccc1)Oc1ccccc1)c1ccccc1	-6.46	14.00	2.42	P	OUT
QL03068	3,3,4,4,5,5,5-heptafluoropent-1-yne	80337-25-3	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#C	-6.78	53.85	1.46	P	IN
QL03069	4,4,5,5,6,6,6-Heptafluoro-1-phenylhex-2-yn-1-one	89965-72-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#CC(=O)C1=CC=CC=C1	-7.32	28.00	2.42	P	OUT
QL03070	(3,3,4,4,5,5,5-Heptafluoropent-1-yn-1-yl)benzene	81674-08-0	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#Cc1ccccc1	-7.01	30.43	2.21	P	IN
QL03071	Heptafluorobutyronitrile	375-00-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C#N	-7.06	58.33	1.46	P	IN
QL03072	3,3,4,4,5,5,5-heptafluoropent-1-ene	355-08-8	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C	-6.34	46.67	1.46	P	IN
QL03073	3-(2,2,3,3,4,4,4-Heptafluorobutylidene)oxolan-2-one	89608-45-7	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1CCOC1=O	-6.41	31.82	1.90	P	IN
QL03074	4,4,5,5,6,6,6-Heptafluoro-1-phenylhex-2-en-1-one	110960-47-9	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(=O)c1ccccc1	-7.20	25.93	2.42	P	OUT
QL03075	1,1,1,2,2,3,3,6,6,7,7,8,8,9,10,10,11,11,11-icosafuoroundec-4-ene	100603-63-2	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.91	60.61	2.68	P	OUT

QL03076	1,1,1,2,2,3,3,6,6,7,7,8,8,9,9,10,10,10-Octadecafluorodec-4-ene	935477-16-0	FC(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.48	60.00	2.50	P	IN
QL03077	1,1,1,2,2,3,3,6,6,7,7,8,8,9,9,9-Hexadecafluoronon-4-ene	935477-07-9	FC(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.16	59.26	2.38	P	IN
QL03078	1,1,1,2,2,3,3,6,6,7,7,8,8,8-Tetradecafluorooct-4-ene	3910-82-5	FC(F)(F)C(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)F	-8.62	58.33	2.16	P	IN
QL03080	3,3,4,4,5,5,5-Heptafluoro-1-iodo-1-pentene	376-97-6	FC(F)(F)C(F)(F)C(F)(F)C=CI	-7.63	53.33	1.85	P	IN
QL03082	(1E)-2,2,3,3,4,4,4-Heptafluoro-N-phenylbutan-1-imine	62765-24-6	FC(F)(F)C(F)(F)C(F)(F)C=NC1=CC=CC=C1	-6.93	29.17	2.21	P	OUT
QL03083	(1E)-2,2,3,3,4,4,4-Heptafluoro-N-(2-phenylethyl)butan-1-imine	29723-32-8	FC(F)(F)C(F)(F)C(F)(F)C=NCCC1=CC=CC=C1	-7.12	23.33	2.46	P	OUT
QL03084	Perfluorobutyraldehyde	375-02-0	FC(F)(F)C(F)(F)C(F)(F)C=O	-6.78	53.85	1.46	P	IN
QL03085	Undecafluoro(heptafluoropropyl)cyclohexane	374-59-4	FC(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.96	66.67	2.08	P	IN
QL03086	2,2,3,3,4,4,5,6,6-Nonafluoro-5-(heptafluoropropyl)oxane	801-26-3	FC(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)OC(F)(F)C(F)(F)C1(F)F	-8.83	64.00	2.10	P	IN
QL03087	3,4,4-Trifluoro-3-(heptafluoropropyl)-1,2lambda~6~-oxathietane-2,2-dione	156465-44-0	FC(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)OS1(=O)=O	-7.34	52.63	1.75	P	IN
QL03088	2,2,3,3,4,4,5,6-Nonafluoro-6-(heptafluoropropyl)tetrahydro-2H-pyran	335-35-3	FC(F)(F)C(F)(F)C(F)(F)C1(F)OC(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.86	64.00	2.11	P	IN
QL03089	2,2,3,3,4,4,5-Heptafluoro-5-(heptafluoropropyl)oxolane	423-22-3	FC(F)(F)C(F)(F)C(F)(F)C1(F)OC(F)(F)C(F)(F)C1(F)F	-8.31	63.64	1.88	P	IN
QL03090	2,2,3-Trifluoro-3-(heptafluoropropyl)oxirane	74942-19-1	FC(F)(F)C(F)(F)C(F)(F)C1(F)OC1(F)F	-8.08	62.50	1.81	P	IN
QL03091	1,4-Bis(chloromethyl)-2-(heptafluoropropyl)benzene	139263-35-7	FC(F)(F)C(F)(F)C(F)(F)C1=C(CCl)C=CC(CCl)=C1	-7.01	33.33	2.13	P	IN
QL03092	5-(Heptafluoropropyl)-3-phenyl-1H-pyrazole	54864-78-7	FC(F)(F)C(F)(F)C(F)(F)C1=CC(=NN1)C1=CC=CC=C1	-7.15	25.00	2.43	P	OUT
QL03093	6-(Heptafluoropropyl)-2-sulfanylidene-2,3-dihydropyrimidin-4(1H)-one	88191-88-2	FC(F)(F)C(F)(F)C(F)(F)C1=CC(=O)NC(=S)N1	-6.51	33.33	1.91	P	IN
QL03094	1-Bromo-3-(heptafluoropropyl)benzene	53104-06-6	FC(F)(F)C(F)(F)C(F)(F)C1=CC(Br)=CC=C1	-6.83	38.10	1.92	P	IN
QL03095	2-[[4-(Heptafluoropropyl)phenyl]methyl]oxirane	144006-68-8	FC(F)(F)C(F)(F)C(F)(F)C1=CC=C(C(C2CO2)C=C1	-7.26	24.14	2.50	P	OUT
QL03096	N-[6-(Heptafluoropropyl)-2-oxo-2H-pyran-3-yl]benzamide	860454-18-8	FC(F)(F)C(F)(F)C(F)(F)C1=CC=C(NC(=O)c2ccccc2)C(=O)O1	-7.59	20.59	2.75	P	OUT
QL03097	Quinoline, 4-(heptafluoropropyl)-	181059-73-4	FC(F)(F)C(F)(F)C(F)(F)C1=CC=NC2=CC=CC=C12	-6.61	26.92	2.13	P	OUT
QL03098	AC1LC6EI	60007-37-6	FC(F)(F)C(F)(F)C(F)(F)C1=CNC(=O)NC1=O	-7.06	33.33	2.16	P	IN
QL03099	5-(Heptafluoropropyl)-2-sulfanylidene-2,3-dihydropyrimidin-4(1H)-one	145663-11-2	FC(F)(F)C(F)(F)C(F)(F)C1=CNC(=S)NC1=O	-7.06	33.33	2.16	P	IN
QL03100	(4S)-4-Benzyl-2-(heptafluoropropyl)-4,5-dihydro-1,3-oxazole	1366341-52-7	FC(F)(F)C(F)(F)C(F)(F)C1=N[C@@H](Cc2ccccc2)CO1	-7.15	21.88	2.52	P	OUT
QL03101	2,4,6-Tris(heptafluoropropyl)-1,3,5-triazine	915-76-4	FC(F)(F)C(F)(F)C(F)(F)C1=NC(=NC(=N1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.77	58.33	2.23	P	IN
QL03102	MLS002694827	4314-49-2	FC(F)(F)C(F)(F)C(F)(F)C1=NC(=O)ON1	-7.03	41.18	1.92	P	IN
QL03103	Benzimidazole, 5(or 6)-chloro-2-(heptafluoropropyl)-	6866-58-6	FC(F)(F)C(F)(F)C(F)(F)C1=NC2=C(N1)C=C(C1)C=C2	-7.35	33.33	2.29	P	IN
QL03104	2-(Heptafluoropropyl)-1H-benzimidazole	559-37-5	FC(F)(F)C(F)(F)C(F)(F)C1=NC2=CC=CC=C2N1	-6.82	29.17	2.16	P	OUT
QL03105	2-(Perfluoropropyl)benzoxazole	2008-06-2	FC(F)(F)C(F)(F)C(F)(F)C1=NC2=CC=CC=C2O1	-6.90	30.43	2.16	P	IN
QL03106	4-(Heptafluoropropyl)-1,3-dihydro-2H-1,5-benzodiazepin-2-one	96146-10-0	FC(F)(F)C(F)(F)C(F)(F)C1=NC2CCCC2NC(=O)C1	-6.68	24.14	2.24	P	OUT

QL03107	2-(heptafluoropropyl)-4,5-dihydro-1h-imidazole	4472-70-2	FC(F)(F)C(F)(F)C(F)(F)C1=NCCN1	-6.43	35.00	1.83	P	IN
QL03108	2-(Heptafluoropropyl)-1-phenyl-4,5-dihydro-1H-imidazole	1069085-53-5	FC(F)(F)C(F)(F)C(F)(F)C1=NCCN1c1ccccc1	-6.67	23.33	2.26	P	OUT
QL03109	1-Benzyl-2-(heptafluoropropyl)-4,5-dihydro-1H-imidazole	1069085-51-3	FC(F)(F)C(F)(F)C(F)(F)C1=NCCN1Cc1ccccc1	-6.99	21.21	2.46	P	OUT
QL03110	2-Perfluoropropyl-5-phenyl-1,3,4-oxadiazole	5756-67-2	FC(F)(F)C(F)(F)C(F)(F)C1=NN=C(O1)C1=CC=CC=C1	-7.27	26.92	2.43	P	OUT
QL03111	5-(heptafluoropropyl)-1-phenyl-1h-tetrazole	2712-85-8	FC(F)(F)C(F)(F)C(F)(F)C1=NN=NN1C1=CC=CC=C1	-6.89	26.92	2.26	P	OUT
QL03112	4-Bromo-2-(heptafluoropropyl)pyridine	1816283-37-0	FC(F)(F)C(F)(F)C(F)(F)c1cc(Br)ccn1	-6.95	40.00	1.92	P	IN
QL03113	4-Chloro-2-(heptafluoropropyl)pyridine	1816283-32-5	FC(F)(F)C(F)(F)C(F)(F)c1cc(Cl)ccn1	-6.95	40.00	1.92	P	IN
QL03114	1-Bromo-4-(heptafluoropropyl)benzene	117874-91-6	FC(F)(F)C(F)(F)C(F)(F)c1ccc(Br)cc1	-7.42	38.10	2.18	P	IN
QL03115	5-Bromo-2-(heptafluoropropyl)pyridine	1816282-96-8	FC(F)(F)C(F)(F)C(F)(F)c1ccc(Br)cn1	-7.53	40.00	2.18	P	IN
QL03116	1-(Heptafluoropropyl)-4-iodobenzene	1417885-93-8	FC(F)(F)C(F)(F)C(F)(F)c1ccc(I)cc1	-7.42	38.10	2.18	P	IN
QL03117	N-[5-(Heptafluoropropyl)][1,1'-biphenyl]-2-yl]benzamide	748785-00-4	FC(F)(F)C(F)(F)C(F)(F)c1ccc(NC(=O)c2ccccc2)c(c1)-c1ccccc1	-7.34	15.56	2.78	P	OUT
QL03118	2-(Heptafluoropropyl)quinoline	57702-79-1	FC(F)(F)C(F)(F)C(F)(F)c1ccc2ccccc2n1	-6.95	26.92	2.29	P	OUT
QL03119	5-(Heptafluoropropyl)isoquinoline-1-carbaldehyde	31181-32-5	FC(F)(F)C(F)(F)C(F)(F)c1cccc2c(C=O)nccc12	-6.74	25.00	2.24	P	OUT
QL03120	(Heptafluoropropyl)benzene	378-98-3	FC(F)(F)C(F)(F)C(F)(F)c1ccccc1	-6.54	33.33	1.92	P	IN
QL03121	2-(Heptafluoropropyl)cyclohexan-1-one	61282-91-5	FC(F)(F)C(F)(F)C(F)(F)C1CCCCC1=O	-6.10	26.92	1.90	P	OUT
QL03122	1-(heptafluoropropyl)-2-iodocyclohexane	2728-75-8	FC(F)(F)C(F)(F)C(F)(F)C1CCCCC1I	-6.27	29.63	1.90	P	IN
QL03123	3-(Heptafluoropropyl)oxolane 5-	143837-48-3	FC(F)(F)C(F)(F)C(F)(F)C1CCOC1	-6.23	31.82	1.83	P	IN
QL03124	(Heptafluoropropyl)dihydropyrimidine-2,4(1H,3H)-dione	90715-84-7	FC(F)(F)C(F)(F)C(F)(F)C1CNC(=O)NC1=O	-6.88	30.43	2.16	P	IN
QL03125	5-(Heptafluoropropyl)pyrimidine	1354703-21-1	FC(F)(F)C(F)(F)C(F)(F)c1cncnc1	-6.76	36.84	1.92	P	IN
QL03126	2-(Heptafluoropropyl)oxirane	51035-20-2	FC(F)(F)C(F)(F)C(F)(F)C1CO1	-6.16	43.75	1.46	P	IN
QL03127	5-(Heptafluoropropyl)-1H-pyrrole-2-carbaldehyde	123825-52-5	FC(F)(F)C(F)(F)C(F)(F)c1Nc(C=O)cc1	-7.12	33.33	2.18	P	IN
QL03128	4,6-Dichloro-2-(heptafluoropropyl)pyrimidine	1023815-51-1	FC(F)(F)C(F)(F)C(F)(F)c1nc(Cl)cc(Cl)n1	-7.37	47.37	1.91	P	IN
QL03129	2-(Heptafluoropropyl)-1H-indole	123825-50-3	FC(F)(F)C(F)(F)C(F)(F)c1Nc2ccccc2c1	-6.75	28.00	2.16	P	OUT
QL03130	2-(Heptafluoropropyl)-3-phenylquinoxaline	69492-70-2	FC(F)(F)C(F)(F)C(F)(F)c1nc2ccccc2nc1-c1ccccc1	-6.35	20.00	2.21	P	OUT
QL03131	4-Chloro-2-(heptafluoropropyl)pyrimidine	937676-00-1	FC(F)(F)C(F)(F)C(F)(F)c1nccc(Cl)n1	-7.08	42.11	1.92	P	IN
QL03132	2-(Heptafluoropropyl)-1H-pyrrole	118425-75-5	FC(F)(F)C(F)(F)C(F)(F)c1Nccc1	-6.54	36.84	1.83	P	IN
QL03133	1-(Heptafluoropropyl)isoquinoline	70414-12-9	FC(F)(F)C(F)(F)C(F)(F)c1nccc2ccccc12	-6.61	26.92	2.13	P	OUT
QL03134	2-(Heptafluoropropyl)pyrimidine	133391-64-7	FC(F)(F)C(F)(F)C(F)(F)c1ncccn1	-6.76	36.84	1.92	P	IN
QL03135	Imidazolidine, 2-heptafluoropropyl-	31185-53-2	FC(F)(F)C(F)(F)C(F)(F)C1NCCN1	-6.23	31.82	1.83	P	IN
QL03136	2-(Heptafluoropropyl)-1H-imidazole	81769-47-3	FC(F)(F)C(F)(F)C(F)(F)c1Nccn1	-6.67	38.89	1.83	P	IN
QL03138	4-Bromo-3-(heptafluoropropyl)-5-phenyl-1H-pyrazole	82633-52-1	FC(F)(F)C(F)(F)C(F)(F)c1nNc(c1Br):c1ccccc1	-7.36	28.57	2.42	P	OUT

QL03139	5-(Heptafluoropropyl)-3-phenyl-1H-1,2,4-triazole	2195-67-7	FC(F)(F)C(F)(F)C(F)(F)c1Nnc(n1)-c1ccccc1	-7.21	25.93	2.43	P	OUT
QL03140	3-(Heptafluoropropyl)-6-(morpholin-4-yl)[1,2,4]triazolo[4,3-b]pyridazine	296886-61-8	FC(F)(F)C(F)(F)C(F)(F)c1nnc2cccc(n12)N1CCOCC1	-7.07	20.00	2.53	P	OUT
QL03141	3-(Heptafluoropropyl)-1H-pyrazole	158148-63-1	FC(F)(F)C(F)(F)C(F)(F)c1nNcc1	-6.67	38.89	1.83	P	IN
QL03142	2(5H)-Furanone, 5-(heptafluoropropyl)-	143469-51-6	FC(F)(F)C(F)(F)C(F)(F)C1OC(=O)C=C1	-6.76	36.84	1.92	P	IN
QL03143	2-(Heptafluoropropyl)-1,3-dioxolane	109799-66-8	FC(F)(F)C(F)(F)C(F)(F)C1OCCO1	-6.43	35.00	1.83	P	IN
QL03144	Allyl heptafluorobutryate	17165-55-8	FC(F)(F)C(F)(F)C(F)(F)CC(=O)OC=C	-7.05	33.33	2.15	P	IN
QL03145	1,1,1,2,2,3,3,10,10,11,11,12,12,12-Tetradecafluoro-5,8-diiodododecane	2357-30-4	FC(F)(F)C(F)(F)C(F)(F)CC(I)CCC(I)CC(F)(F)C(F)(F)C(F)(F)F	-8.69	42.11	2.65	P	IN
QL03146	1,1,1,2,2,3,3,11,11,12,12,13,13,13-Tetradecafluoro-5,9-diiodotridecane	1644-06-0	FC(F)(F)C(F)(F)C(F)(F)CC(I)CCCC(I)CC(F)(F)C(F)(F)C(F)(F)F	-8.78	39.02	2.77	P	IN
QL03147	Trichloro(3,3,4,4,5,5,5-heptafluoropentyl)silane	866-24-0	FC(F)(F)C(F)(F)C(F)(F)CC[Si](Cl)(Cl)Cl	-7.53	50.00	1.91	P	IN
QL03148	3,3,4,4,5,5,5-heptafluoropentanal	126015-32-5	FC(F)(F)C(F)(F)C(F)(F)CC=O	-7.03	43.75	1.85	P	IN
QL03149	(2,2,3,3,4,4,4-Heptafluorobutyl)benzene	81664-99-5	FC(F)(F)C(F)(F)C(F)(F)C1ccccc1	-6.75	29.17	2.13	P	IN
QL03150	1H,1H-Heptafluorobutyl epoxide	1765-92-0	FC(F)(F)C(F)(F)C(F)(F)CC1CO1	-6.56	36.84	1.84	P	IN
QL03151	2-(2,2,3,3,4,4,4-Heptafluorobutyl)-1,3-dioxolane	175607-87-1	FC(F)(F)C(F)(F)C(F)(F)CC1OCCO1	-6.37	30.43	1.92	P	IN
QL03152	5-Bromo-1,1,1,2,2,3,3-heptafluoropentane	355-94-2	FC(F)(F)C(F)(F)C(F)(F)CCBr	-7.24	47.06	1.85	P	IN
QL03153	1,1,1,2,2,3,3,4,4,5,5,6,6,9,9,10,10,11,11,11-Icosafluoroundecane	777931-73-4	FC(F)(F)C(F)(F)C(F)(F)CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.69	57.14	2.68	P	IN
QL03154	1,1,1,2,2,3,3,6,6,7,7,8,8,8-Tetradecafluorooctane	1835251-92-7	FC(F)(F)C(F)(F)C(F)(F)CCCC(F)(F)C(F)(F)C(F)(F)F	-8.34	53.85	2.16	P	IN
QL03155	7-Bromo-1,1,1,2,2,3,3-heptafluoroheptane	1391033-22-9	FC(F)(F)C(F)(F)C(F)(F)CCCCBr	-7.19	34.78	2.17	P	IN
QL03156	1,1,1,2,2,3,3,10,10,11,11,12,12,12-Tetradecafluorododecane	69125-82-2	FC(F)(F)C(F)(F)C(F)(F)CCCCCCC(F)(F)C(F)(F)C(F)(F)F	-8.27	36.84	2.60	P	IN
QL03157	1,1,1,2,2,3,3,12,12,13,13,14,14,14-Tetradecafluorotetradecane	1835251-91-6	FC(F)(F)C(F)(F)C(F)(F)CCCCCCCC(F)(F)C(F)(F)C(F)(F)F	-8.37	31.82	2.79	P	OUT
QL03158	1,1,1,2,2,3,3,14,14,15,15,16,16,16-Tetradecafluorohexadecane	168169-26-4	FC(F)(F)C(F)(F)C(F)(F)CCCCCCCCC(F)(F)C(F)(F)C(F)(F)F	-8.51	28.00	2.96	P	OUT
QL03159	1,1,1,2,2,3,3-Heptafluoro-7-iodoheptane	2967-60-4	FC(F)(F)C(F)(F)C(F)(F)CCCCI	-7.19	34.78	2.17	P	IN
QL03160	1,1,1,2,2,3,3-Heptafluoro-5-iodopentane	68188-12-5	FC(F)(F)C(F)(F)C(F)(F)CCI	-7.24	47.06	1.85	P	IN
QL03161	1,1,1,2,2,3,3-Heptafluoro-4-chlorobutane	374-97-0	FC(F)(F)C(F)(F)C(F)(F)CCl	-6.98	57.14	1.46	P	IN
QL03162	Heptafluorobutyl iodide	374-98-1	FC(F)(F)C(F)(F)C(F)(F)CI	-6.98	57.14	1.46	P	IN
QL03163	1-chloro-1,1,2,2,3,3,3-heptafluoropropane	422-86-6	FC(F)(F)C(F)(F)C(F)(F)Cl	-7.64	72.73	1.32	P	OUT
QL03164	N-Nitrosobis(2,2,3,3,4,4,4-heptafluorobutyl)amine	83329-16-2	FC(F)(F)C(F)(F)C(F)(F)CN(CC(F)(F)C(F)(F)C(F)(F)F)N=O	-8.53	48.28	2.40	P	IN
QL03165	Isocyanic acid, 2,2,3,3,4,4,4-heptafluorobutyl ester	377-00-4	FC(F)(F)C(F)(F)C(F)(F)CN=C=O	-7.25	43.75	1.95	P	IN
QL03166	N-(2,2,3,3,4,4,4-Heptafluorobutyl)prop-2-enamide	1422-65-7	FC(F)(F)C(F)(F)C(F)(F)CNC(=O)C=C	-6.95	31.82	2.15	P	IN
QL03167	3-Benzamido-N-(2,2,3,3,4,4,4-heptafluorobutyl)benzamide	917920-92-4	FC(F)(F)C(F)(F)C(F)(F)CNC(=O)C1=CC(NC(=O)C2=CC=CC=C2)=CC=C1	-7.74	16.67	2.93	P	OUT

QL03168	N-(2,2,3,3,4,4,4-Heptafluorobutyl)benzamide	304458-19-3	FC(F)(F)C(F)(F)C(F)(F)CNC(=O)c1ccccc1	-7.14	25.00	2.42	P	OUT
QL03169	2,2,3,3,4,4,4-Heptafluoro-N-(2,2,3,3,4,4,4-heptafluorobutyl)butan-1-amine	356-08-1	FC(F)(F)C(F)(F)C(F)(F)CNCC(F)(F)C(F)(F)C(F)(F)F	-8.47	50.00	2.33	P	IN
QL03170	Tris(1H,1H-heptafluorobutyl)phosphate	563-09-7	FC(F)(F)C(F)(F)C(F)(F)CO[P](=O)(OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)OCC(F)(F)C(F)(F)C(F)(F)F	-8.79	47.73	2.53	P	IN
QL03171	Chlorotris(2,2,3,3,4,4,4-heptafluorobutoxy)silane	757-72-2	FC(F)(F)C(F)(F)C(F)(F)CO[Si](Cl)(OCC(F)(F)C(F)(F)C(F)(F)F)OCC(F)(F)C(F)(F)C(F)(F)F	-8.93	50.00	2.53	P	IN
QL03172	tris((Perfluoropropyl)methyl)borate	755-53-3	FC(F)(F)C(F)(F)C(F)(F)COB(OCC(F)(F)C(F)(F)C(F)(F)F)OCC(F)(F)C(F)(F)C(F)(F)F	-8.81	48.84	2.51	P	IN
QL03173	2,2,3,3,4,4,4-Heptafluorobutyl 2-cyanoprop-2-enoate	130192-28-8	FC(F)(F)C(F)(F)C(F)(F)COC(=O)C(=C)C#N	-7.09	31.82	2.21	P	IN
QL03174	2,2,3,3,4,4,4-Heptafluorobutyl 2-chloroprop-2-enoate	74359-14-1	FC(F)(F)C(F)(F)C(F)(F)COC(=O)C(Cl)=C	-7.30	38.10	2.13	P	IN
QL03175	2,2,3,3,4,4,4-Heptafluorobutyl heptafluorobutanoate	308-45-2	FC(F)(F)C(F)(F)C(F)(F)COC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.79	53.85	2.36	P	IN
QL03176	1H,1H-Perfluorobutyl acrylate	424-64-6	FC(F)(F)C(F)(F)C(F)(F)COC(=O)C=C	-7.05	33.33	2.15	P	IN
QL03177	Bis(1H,1H-perfluorobutyl)fumarate	24120-17-0	FC(F)(F)C(F)(F)C(F)(F)COC(=O)C=CC(=O)OCC(F)(F)C(F)(F)C(F)(F)F	-8.88	38.89	2.82	P	IN
QL03178	2,2,3,3,4,4,4-Heptafluorobutyl 1,2,3-benzothiadiazole-7-carboxylate	1384278-50-5	FC(F)(F)C(F)(F)C(F)(F)COC(=O)c1cccc2nnsc12	-7.04	25.00	2.38	P	OUT
QL03179	2,2,3,3,4,4,4-Heptafluorobutyl but-3-enoate	17165-56-9	FC(F)(F)C(F)(F)C(F)(F)COC(=O)CC=C	-6.96	29.17	2.23	P	OUT
QL03180	1-Aziridinepropionic acid, 2,2,3,3,4,4,4-heptafluorobutyl ester	24160-20-1	FC(F)(F)C(F)(F)C(F)(F)COC(=O)CCN1CC1	-7.12	24.14	2.44	P	OUT
QL03181	Bis(2,2,3,3,4,4,4-heptafluorobutyl) carbonate	1026739-75-2	FC(F)(F)C(F)(F)C(F)(F)COC(=O)OCC(F)(F)C(F)(F)C(F)(F)F	-8.81	46.67	2.57	P	IN
QL03182	2,2,3,3,4,4,4-Heptafluorobutyl carbonochloridate	108156-21-4	FC(F)(F)C(F)(F)C(F)(F)COC(Cl)=O	-7.41	47.06	1.93	P	IN
QL03183	4-(Ethenyloxy)-1,1,1,2,2,3,3-heptafluorobutane	356-00-3	FC(F)(F)C(F)(F)C(F)(F)COC=C	-6.82	36.84	1.95	P	IN
QL03184	1-Ethenyl-4-(2,2,3,3,4,4,4-heptafluorobutoxy)benzene	111144-99-1	FC(F)(F)C(F)(F)C(F)(F)COC1=CC=C(C=C)C=C1	-7.36	24.14	2.55	P	OUT
QL03185	2-[[4-(Perfluorobutoxy)pyridin-2-yl]methanesulfinyl]-1H-thieno[3,4-d]imidazole	NOCAS_869668	FC(F)(F)C(F)(F)C(F)(F)COC1=CC=NC(CS(=O)C2=NC3=CSC=C3N2)=C1	-7.86	17.95	2.94	P	OUT
QL03186	4-(2,2,3,3,4,4,4-Heptafluorobutoxy)benzaldehyde	943767-44-0	FC(F)(F)C(F)(F)C(F)(F)COC1ccc(C=O)cc1	-7.47	25.93	2.55	P	OUT
QL03187	4-(2,2,3,3,4,4,4-Heptafluorobutoxy)benzonitrile	96308-32-6	FC(F)(F)C(F)(F)C(F)(F)COC1ccc(cc1)C#N	-7.53	26.92	2.55	P	OUT
QL03188	1,1,1,2,2,3,3-Heptafluoro-4-(2,2,3,3,4,4,4-heptafluorobutoxy)butane	647-91-6	FC(F)(F)C(F)(F)C(F)(F)COCC(F)(F)C(F)(F)C(F)(F)F	-8.58	51.85	2.33	P	IN
QL03189	Allyl 1H,1H-heptafluorobutyl ether	648-42-0	FC(F)(F)C(F)(F)C(F)(F)COCC=C	-7.01	31.82	2.17	P	IN
QL03190	NSC221106	59727-25-2	FC(F)(F)C(F)(F)C(F)(F)COCC1=CNC(=O)NC1=O	-7.25	25.00	2.47	P	OUT
QL03191	2-[[2,2,3,3,4,4,4-Heptafluorobutoxy)methyl]oxirane	648-43-1	FC(F)(F)C(F)(F)C(F)(F)COCC1CO1	-6.87	30.43	2.15	P	IN
QL03192	4-[[2,2,3,3,4,4,4-Heptafluorobutoxy)methyl]-1,3-dioxolan-2-one	181044-06-4	FC(F)(F)C(F)(F)C(F)(F)COCC1COC(=O)O1	-7.19	26.92	2.39	P	OUT
QL03193	4-(2-Chloroethoxy)-1,1,1,2,2,3,3-heptafluorobutane	679-53-8	FC(F)(F)C(F)(F)C(F)(F)COCCCl	-7.39	38.10	2.17	P	IN
QL03194	2,2,3,3,4,4,4-Heptafluorobutyl diphenylphosphinate	55776-72-2	FC(F)(F)C(F)(F)C(F)(F)COP(=O)(c1ccccc1)c1ccccc1	-6.59	18.42	2.36	P	OUT

QL03195	Bis(2,2,3,3,4,4,4-heptafluorobutyl) phenylphosphonate	31430-72-5	FC(F)(F)C(F)(F)C(F)(F)COP(=O)(OCC(F)(F)C(F)(F)C(F)(F)F)c1ccccc1	-8.24	34.15	2.67	P	IN
QL03196	bis((Perfluoropropyl)methyl) phosphorochloridoate	6780-81-0	FC(F)(F)C(F)(F)C(F)(F)COP(Cl)(=O)OCC(F)(F)C(F)(F)C(F)(F)F	-8.95	48.39	2.59	P	IN
QL03197	1,3,5,2,4,6-Triazatriphosphorine, 2,2,4,4,6,6-hexakis(2,2,3,3,4,4,4-heptafluorobutoxy)-2,2,4,4,6,6-hexahydro-1H,1H-Perfluorobutyl	470-73-5	FC(F)(F)C(F)(F)C(F)(F)COP1(OCC(F)(F)C(F)(F)C(F)(F)F)=NP(OCC(F)(F)C(F)(F)C(F)(F)F)(OCC(F)(F)C(F)(F)C(F)(F)F)=NP(OCC(F)(F)C(F)(F)C(F)(F)COP1(OCC(F)(F)C(F)(F)C(F)(F)F)=N1	-8.81	46.67	2.57	P	IN
QL03198	perfluorobutanesulfonate	883499-32-9	FC(F)(F)C(F)(F)C(F)(F)COS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.07	53.33	2.50	P	IN
QL03199	1H,1H-Heptafluorobutyl triflate	6401-01-0	FC(F)(F)C(F)(F)C(F)(F)COS(=O)(=O)C(F)(F)F	-7.79	47.62	2.09	P	IN
QL03200	[[[2,2,3,3,4,4,4-Heptafluorobutyl)sulfonyl]methyl] benzene	200337-06-0	FC(F)(F)C(F)(F)C(F)(F)CSCc1ccccc1	-7.07	25.00	2.39	P	OUT
QL03201	Perflutren	76-19-7	FC(F)(F)C(F)(F)C(F)(F)F	-7.64	72.73	1.32	P	OUT
QL03202	Heptafluoropropyl iodide	754-34-7	FC(F)(F)C(F)(F)C(F)(F)I	-7.64	72.73	1.32	P	OUT
QL03203	Perfluoro-N,N,N',N'-tetrakis(heptafluoropropyl)-1,6-hexanediamine	143356-32-5	FC(F)(F)C(F)(F)C(F)(F)N(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)N(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.58	66.67	2.81	P	OUT
QL03204	Perfluamine	338-83-0	FC(F)(F)C(F)(F)C(F)(F)N(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.93	67.74	2.04	P	OUT
QL03205	1,1,1,2,4,5,5-Octafluoro-2-(heptafluoropropoxy)-4-(trifluoromethyl)pentan-3-one	851535-00-7	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)C(F)(C(F)(F)F)C(F)(F)F)C(F)(F)F	-8.86	62.07	2.17	P	IN
QL03206	1,5-Dideoxy-1,1,1,5,5,5-hexafluoro-2,4-di-C-fluoro-2,4-bis-O-(heptafluoropropyl)pent-3-ulose	67118-49-4	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.87	61.11	2.65	P	IN
QL03207	1,1,1,2,6,7,7-Octafluoro-2,6-bis(heptafluoropropoxy)heptane-3,5-dione	87405-74-1	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)CC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.80	53.66	2.82	P	IN
QL03208	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)-1-(piperidin-1-yl)propan-1-one	176702-72-0	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)N1CCCCC1)C(F)(F)F	-7.61	31.43	2.45	P	IN
QL03209	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)-1-(morpholin-4-yl)propan-1-one	176702-73-1	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)N1CCOCC1)C(F)(F)F	-7.72	33.33	2.45	P	IN
QL03210	N-Benzyl-2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanamide	82970-41-0	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)NCc1ccccc1)C(F)(F)F	-8.14	31.43	2.70	P	OUT
QL03211	Cyclohexyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	78755-41-6	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)OC1CCCCC1)C(F)(F)F	-7.67	29.73	2.53	P	OUT
QL03212	Phenyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	78755-31-4	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)Oc1ccccc1)C(F)(F)F	-8.02	35.48	2.53	P	IN
QL03213	Prop-2-en-1-yl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	84123-65-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)OCC=C)C(F)(F)F	-8.10	39.29	2.46	P	IN
QL03214	Benzyl 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	147224-19-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)OCc1ccccc1)C(F)(F)F	-8.20	32.35	2.70	P	IN
QL03215	bis(2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-1-oxopropyl)peroxide	56347-79-6	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(=O)OOC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.99	55.00	2.87	P	OUT
QL03216	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoyl chloride	72848-57-8	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(Cl)=O)C(F)(F)F	-8.02	60.00	1.85	P	IN

QL03233	2-[1,2,2,2-Tetrafluoro-1-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]ethyl]-1H-benzimidazole	76145-90-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)C(F)(F)OC(F)(C1=NC2=CC=CC=C2N1)C(F)(F)F	-8.77	41.46	2.70	P	IN
QL03234	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propyl prop-2-enoate	17559-01-2	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)C(F)(F)OC(F)(COC(=O)C=C)C(F)(F)F	-8.99	44.74	2.71	P	IN
QL03235	Perfluoro-5,6-dimethyl-4,7-dioxadecane	2501-01-1	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.76	64.71	2.50	P	IN
QL03236	1,1,1,3,4,4,4-Heptafluoro-3-(heptafluoropropoxy)-2-(trifluoromethyl)butan-2-yl prop-2-enoate	1622868-66-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)C(F)C(OC(=O)C=C)C(F)(F)C(F)(F)F	-8.54	50.00	2.36	P	IN
QL03237	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanenitrile	60308-66-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C#N)C(F)(F)F	-7.94	57.89	1.87	P	IN
QL03238	3,4,4,4-Tetrafluoro-3-(heptafluoropropoxy)but-1-ene	131628-34-7	FC(F)(F)C(F)(F)C(F)(F)OC(F)(C=C)C(F)(F)F	-7.46	50.00	1.87	P	IN
QL03239	1,1,1,2-Tetrafluoro-2-(heptafluoropropoxy)-4-iodobutane	243128-38-3	FC(F)(F)C(F)(F)C(F)(F)OC(F)(CCI)C(F)(F)F	-7.89	50.00	2.06	P	IN
QL03240	1,2-Dichloro-1,2,2-trifluoroethyl heptafluoropropyl ether	106372-30-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(Cl)C(F)(F)Cl	-8.53	66.67	1.89	P	OUT
QL03241	3-[2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propoxy]prop-1-ene	119511-16-9	FC(F)(F)C(F)(F)C(F)(F)OC(F)(COCC=C)C(F)(F)F	-8.06	37.93	2.48	P	IN
QL03242	(R*,S*)-1,1,2,3,4,4-Hexafluoro-1,2,3,4-tetrakis(heptafluoropropoxy)butane	54572-17-7	FC(F)(F)C(F)(F)C(F)(F)OC(F)(F)[C@@](F)(OC(F)(F)C(F)(F)C(F)(F)F)[C@@](F)(OC(F)(F)C(F)(F)C(F)(F)F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)F	-10.01	62.96	2.66	P	OUT
QL03243	3,3,4,4-Tetrafluoro-4-(heptafluoropropoxy)but-1-ene	1152098-94-6	FC(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C=C	-7.94	50.00	2.09	P	IN
QL03244	1,1,2,3,4,4-Hexafluoro-1,2,3,4-tetrakis(heptafluoropropoxy)butane	54208-66-1	FC(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.01	62.96	2.66	P	OUT
QL03245	1,1,1,2,2,3,3-Heptafluoro-3-(1,2,2,2-tetrafluoro-1-iodoethoxy)propane	107432-46-2	FC(F)(F)C(F)(F)C(F)(F)OC(F)(I)C(F)(F)F	-8.53	66.67	1.89	P	OUT
QL03246	1,1,2,2,3,3,3-heptafluoro-1-(vinyloxy)propane	6996-01-6	FC(F)(F)C(F)(F)C(F)(F)OC=C	-7.03	43.75	1.85	P	IN
QL03247	Perfluoro-1-ethyl-3-propoxycyclohexane	400626-82-6	FC(F)(F)C(F)(F)C(F)(F)OC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-9.55	64.71	2.41	P	IN
QL03248	Perfluoro(1,3-dipropoxycyclohexane)	400626-83-7	FC(F)(F)C(F)(F)C(F)(F)OC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C1(F)F	-10.06	63.16	2.68	P	OUT
QL03249	2-Iodoperfluorobutane	375-51-9	FC(F)(F)C(F)(F)C(F)(F)I	-7.84	71.43	1.45	P	OUT
QL03250	1,1,1,2,2,5,5,6,6,7,7,8,8,9,10,10-Octadecafluorodec-3-ene	86563-87-3	FC(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.48	60.00	2.50	P	IN
QL03251	1,1,1,2,2,5,5,6,6,7,7,8,8,9,9-Hexadecafluoronon-3-ene	935477-04-6	FC(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.30	59.26	2.44	P	IN
QL03252	1,1,1,2,2,5,5,6,6,7,7,8,8-Tetradecafluorooct-3-ene	84808-65-1	FC(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.77	58.33	2.23	P	IN
QL03253	1,1,1,2,2,5,5,6,6,7,7,7-Dodecafluorohept-3-ene	887111-61-7	FC(F)(F)C(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)F	-8.38	57.14	2.09	P	IN
QL03254	Perfluoro-5-(pentafluoroethyl)oxolane	NOCAS_870516	FC(F)(F)C(F)(F)C1(F)OC(F)(F)C(F)(F)C1(F)F	-8.02	63.16	1.76	P	IN
QL03255	2-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)-2-(pentafluoroethyl)-3,3-bis(trifluoromethyl)oxirane	103697-21-8	FC(F)(F)C(F)(F)C1(OC1(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.67	64.29	1.57	P	OUT

QL03256	2,4,6-Tris(pentafluoroethyl)-1,3,5-triazine	858-46-8	FC(F)(F)C(F)(F)C1=NC(=NC(=N1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.84	55.56	1.89	P	IN
QL03257	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,11,11,12,12,12-Docosafuoro-9-iodododecane	641617-25-6	FC(F)(F)C(F)(F)CC(I)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.03	60.53	2.74	P	OUT
QL03258	1,1,1,2,2,3,3,4,4,7,7,8,8,8-Tetradecafluoro-5-iodooctane	935553-89-2	FC(F)(F)C(F)(F)CC(I)C(F)(F)C(F)(F)C(F)(F)F	-8.74	57.69	2.24	P	IN
QL03259	Bis(3-(perfluoroethyl)-1-(9-bromononyl)propyl) thioether	148757-89-5	FC(F)(F)C(F)(F)CCCC(CCCCCCBr)SC(CCCCCCBr)CCC(F)(F)C(F)(F)F	-8.41	13.79	3.31	P	OUT
QL03260	Tetradecafluorooctane	343627-66-7	FC(F)(F)C(F)(F)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.49	53.85	2.23	P	IN
QL03261	22 Fluorotelomer iodide	40723-80-6	FC(F)(F)C(F)(F)CCI	-6.24	42.86	1.52	P	IN
QL03262	Thiols, C4-10, .gamma.-.omega.-perfluoro- (Perfluoroalkyl (C2-C8)ethyl mercaptan)	68140-18-1	FC(F)(F)C(F)(F)CCS	-5.65	33.33	1.52	P	IN
QL03263	(Perfluoroethyl)methyl iodide	354-69-8	FC(F)(F)C(F)(F)CI	-6.67	54.55	1.39	P	IN
QL03264	1H,1H-Perfluoropropyl acrylate	356-86-5	FC(F)(F)C(F)(F)COC(=O)C=C	-6.11	27.78	1.88	P	OUT
QL03265	2,2,3,3,3-Pentafluoropropyl nonafluorobutane-1-sulfonate	893556-35-9	FC(F)(F)C(F)(F)COS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.84	51.85	2.44	P	IN
QL03266	Perfluoroethane	76-16-4	FC(F)(F)C(F)(F)F	-6.65	75.00	0.81	P	OUT
QL03267	Pentafluoroiodoethane	354-64-3	FC(F)(F)C(F)(F)I	-6.65	75.00	0.81	P	OUT
QL03268	Perfluorotriethylamine	359-70-6	FC(F)(F)C(F)(F)N(C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.09	68.18	1.65	P	OUT
QL03269	Morpholine, 2,2,3,3,5,5,6,6-octafluoro-4-(pentafluoroethyl)-	55716-11-5	FC(F)(F)C(F)(F)N1C(F)(F)C(F)(F)OC(F)(F)C1(F)F	-7.73	61.90	1.66	P	IN
QL03270	1,1,1,2,2,3,3,4,5,5,5-Undecafluoro-4-(pentafluoroethoxy)pentane	92978-07-9	FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.08	66.67	2.14	P	IN
QL03271	Hexane, 1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-1-(pentafluoroethoxy)-	133080-89-4	FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.75	66.67	2.44	P	IN
QL03272	POLYFLGSID_880513	60164-51-4	FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)F	-8.53	66.67	1.89	P	OUT
QL03273	alpha-Perfluoropropyl omega-perfluoroethyl		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)F	-9.74	64.29	2.50	P	IN
QL03274	poly(perfluoropropylene oxide)	52700-35-3	lp:0:3,2:3,3:3,5:3,6:3,7:2,9:3,10:3,12:3,13:3,15:3,16:3,17:2,19:3,20:3,22:3,23:3,25:3,26:3,27:3,Sg:n:10,9,13,12,16,15,8,11,14,17::ht	-8.12	66.67	1.71	P	OUT
QL03275	Perfluoroethyl ether multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=8	358-21-4	FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-10.53	56.82	3.06	P	OUT
QL03276	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=7		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-10.19	56.10	2.93	P	OUT
QL03277	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=6		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-10.03	55.26	2.88	P	OUT
QL03278	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=5		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.64	54.29	2.73	P	IN
QL03279	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=4		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)S(=O)(O)=O	-9.34	53.13	2.63	P	IN
QL03280	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=3		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)S(=O)(O)=O	-8.97	51.72	2.50	P	IN
QL03281	multiple ether-substituted Perfluoroalkyl (linear) sulfonic acids, n=2		FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)S(=O)(O)=O	-8.73	50.00	2.44	P	IN
QL03282	1,1,2,2-Tetrafluoro-2-(pentafluoroethoxy)ethane-1-sulfonyl fluoride	67990-78-7	FC(F)(F)C(F)(F)OC(F)(F)C(F)(F)S(F)(=O)=O	-7.84	55.56	1.89	P	IN

QL03283	2-(2-Bromo-1,1,2,2-tetrafluoroethoxy)-1,1,1,2,3,3-hexafluoro-3-(pentafluoroethoxy)propane	1482416-44-3	FC(F)(F)C(F)(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)Br)C(F)(F)F	-9.14	64.00	2.24	P	IN
QL03284	1,1,1,2,3,3-Hexafluoro-2,3-bis(pentafluoroethoxy)propane	95842-03-8	FC(F)(F)C(F)(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)F	-9.14	64.00	2.24	P	IN
QL03285	1,1,2,2-Tetrafluoro-2-[[1,1,1,2,3,3-hexafluoro-3-(pentafluoroethoxy)propan-2-yl]oxy]ethane-1-sulfonyl fluoride	27744-59-8	FC(F)(F)C(F)(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)S(F)(=O)=O)C(F)(F)F	-9.13	57.14	2.43	P	IN
QL03286	1-Bromo-1,1,2,2,4,5,5,7,8,8,10,11,11,13,13,14,14,14-octadecafluoro-4,7,10-tris(trifluoromethyl)-3,6,9,12-tetraoxatetradecane	1482416-51-2	FC(F)(F)C(F)(F)OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)Br)C(F)(F)C(F)(F)C(F)(F)F	-10.54	62.22	2.92	P	OUT
QL03287	1-Bromo-1,1,2,2,4,5,5,7,8,8,10,11,11,13,14,14,16,16,17,17,17-henicosafuoro-4,7,10,13-tetrakis(trifluoromethyl)-3,6,9,12,15-pentaaxaheptadecane	1482416-52-3	FC(F)(F)C(F)(F)OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)Br)C(F)(F)C(F)(F)C(F)(F)F	-11.04	61.82	3.16	P	OUT
QL03288	1,2-Dichloro(perfluoro-1-(ethoxymethoxy)ethane)	369371-42-6	FC(F)(F)C(F)(F)OC(F)(F)OC(F)(Cl)C(F)(F)Cl	-8.75	63.16	2.09	P	IN
QL03289	2,2,3,5,6-Pentafluoro-5-(pentafluoroethoxy)-3,6-bis(trifluoromethyl)-1,4-dioxane	84041-66-7	FC(F)(F)C(F)(F)OC1(F)OC(F)(C(F)(F)C(F)(F)OC1(F)C(F)(F)F	-8.50	59.26	2.08	P	IN
QL03290	Pentafluoroethane-1-sulfonyl chloride	64773-40-6	FC(F)(F)C(F)(F)S(Cl)(=O)=O	-6.52	54.55	1.32	P	IN
QL03291	Heptafluoro-2-iodopropane	677-69-0	FC(F)(F)C(F)(I)C(F)(F)F	-7.64	72.73	1.32	P	OUT
QL03292	1,1,1,2,3,3,3-Heptafluoro-2-(1,1,2,3,3,3-hexafluoro-2-iodopropoxy)propane	16005-45-1	FC(F)(F)C(F)(I)C(F)(F)OC(F)(C(F)(F)C(F)(F)F	-8.37	66.67	1.82	P	OUT
QL03293	Morpholine, 2,2,3,3,5,5,6,6-octafluoro-4-[[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-	1600-71-1	FC(F)(F)C(F)(N1C(F)(F)C(F)(F)OC(F)(F)C1(F)F)C(F)(F)F	-7.65	62.50	1.61	P	IN
QL03294	Heptafluoroisopropyl acrylate	13057-08-4	FC(F)(F)C(F)(OC(=O)C=C)C(F)(F)F	-6.37	38.89	1.69	P	IN
QL03295	1,1,1,2,3,3,3-Heptafluoropropan-2-yl benzoate	57024-21-2	FC(F)(F)C(F)(OC(=O)c1ccccc1)C(F)(F)F	-6.68	29.17	2.10	P	IN
QL03296	2-(1,2-Dichloro-1,2,2-trifluoroethoxy)-1,1,1,2,3,3,3-heptafluoropropane	85720-81-6	FC(F)(F)C(F)(OC(F)(Cl)C(F)(F)Cl)C(F)(F)F	-7.91	66.67	1.61	P	OUT
QL03297	2-(2-Chloro-1,1,2-trifluoro-2-iodoethoxy)-1,1,1,2,3,3,3-heptafluoropropane	16031-04-2	FC(F)(F)C(F)(OC(F)(F)C(F)(Cl))C(F)(F)F	-7.91	66.67	1.61	P	OUT
QL03298	2-(2-Bromo-1,1,2,2-tetrafluoroethoxy)-1,1,1,2,3,3,3-heptafluoropropane	16005-49-5	FC(F)(F)C(F)(OC(F)(F)C(F)(F)Br)C(F)(F)F	-7.91	66.67	1.61	P	OUT
QL03299	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Hexadecafluoro-1-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]-8-iodooctane	25080-19-7	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)I)C(F)(F)F	-10.19	66.67	2.64	P	OUT
QL03300	1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-1-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]-8-iodooctane	25080-25-5	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)I)C(F)(F)F	-9.57	55.56	2.67	P	IN
QL03301	1-Iodo-6-(heptafluoroisopropoxy)perfluoro hexane	25080-18-6	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)I)C(F)(F)F	-9.64	66.67	2.39	P	IN

QL03302	1,1,2,2,3,3,4,4-Octafluoro-1-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]-6-iodohexane	25080-24-4	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)CCI)C(F)(F)F	-8.89	53.33	2.43	P	IN
QL03303	1,1,2,2,3,3,4,4-Octafluoro-1-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]-4-iodobutane	25080-17-5	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F))C(F)(F)F	-8.96	66.67	2.08	P	IN
QL03304	1,1,2,2,3,3,4,4-Octafluoro-1,4-bis[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]butane	23228-90-2	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)F)C(F)(F)F)C(F)(F)F	-9.40	64.71	2.34	P	IN
QL03305	1-[2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)-1-(piperidin-1-yl)propyl]-1H-benzotriazole	133384-08-4	FC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(N1CCCCC1)n1nnc2ccccc12	-7.10	22.92	2.47	P	OUT
QL03306	1,1,1,2,3,3,3-Heptafluoro-2-(1,1,2,2-tetrafluoro-2-iodoethoxy)propane	16005-38-2	FC(F)(F)C(F)(OC(F)(F)C(F)(F))C(F)(F)F	-7.91	66.67	1.61	P	OUT
QL03307	Bis(perfluoro(1-[(3,6-dimethyl-1,4-dioxan-2-yl)oxy]ethyl)) ketone	61097-96-9	FC(F)(F)C(F)(OC1(F)OC(F)(C(F)(F)C(F)(F)OC1(F)C(F)(F)C(=O)C(F)(OC1(F)OC(F)(C(F)(F)C(F)(F)OC1(F)C(F)(F)F)	-9.84	55.56	2.79	P	IN
QL03308	Perfluoro-2,3-bis(2,5-dimethyl-1,4-dioxan-3-oxy)butane	61097-98-1	FC(F)(F)C(F)(OC1(F)OC(F)(C(F)(F)C(F)(F)OC1(F)C(F)(F)C(F)(OC1(F)OC(F)(C(F)(F)C(F)(F)OC1(F)C(F)(F)F)	-9.72	57.69	2.68	P	IN
QL03309	2-[(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)oxy]-N-phenylacetamide	62656-67-1	FC(F)(F)C(F)(OCC(=O)NC1=CC=CC=C1)C(F)(F)F	-6.94	24.14	2.36	P	OUT
QL03310	Allyl perfluoroisopropyl ether	15242-17-8	FC(F)(F)C(F)(OCC=C)C(F)(F)F	-6.24	36.84	1.69	P	IN
QL03311	Trichloro[3-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]propyl]silane	15538-93-9	FC(F)(F)C(F)(OCCC[Si](Cl)(Cl)Cl)C(F)(F)F	-7.05	41.67	1.92	P	IN
QL03312	Dichloromethyl[3-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethoxy]propyl]silane	20006-68-2	FC(F)(F)C(F)(OCCC[SiH2]C(Cl)Cl)C(F)(F)F	-6.84	33.33	2.06	P	IN
QL03313	1-Bromo-4-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]butane	37027-49-9	FC(F)(F)C(F)(OCCCCBr)C(F)(F)F	-6.76	33.33	2.02	P	IN
QL03314	1,1,1,2,3,3,5,5,7,7,7-Undecafluoro-6-iodo-2,4-bis(trifluoromethyl)heptane	922524-01-4	FC(F)(F)C(I)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-8.57	62.07	2.04	P	IN
QL03315	1,1,1,2,3,3,5,5,5-Nonafluoro-4-iodo-2-(trifluoromethyl)pentane	922524-00-3	FC(F)(F)C(I)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-8.04	65.00	1.71	P	OUT
QL03316	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,9,9,9-Octadecafluoro-8-iodononane	922524-04-7	FC(F)(F)C(I)C(F)(F)C(F)(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.69	65.52	2.45	P	IN
QL03317	1,1,1,2,7,7,7-Heptafluoro-6-iodo-2,4-bis(trifluoromethyl)heptane	922523-99-7	FC(F)(F)C(I)CC(CC(F)(C(F)(F)F)C(F)(F)F)C(F)(F)F	-7.79	48.28	2.07	P	IN
QL03318	1,1,1,2,5,5,5-Heptafluoro-4-iodo-2-(trifluoromethyl)pentane	922523-98-6	FC(F)(F)C(I)CC(F)(C(F)(F)F)C(F)(F)F	-7.18	55.00	1.61	P	IN
QL03319	1,1,1,2,2,3,3,4,4,5,5,6,6,9,9,9-Hexadecafluoro-8-iodononane	922524-02-5	FC(F)(F)C(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.26	58.62	2.45	P	IN
QL03320	1,1,1,2,2,3,3,4,4,7,7,7-Dodecafluoro-6-iodoheptane	93553-88-1	FC(F)(F)C(I)CC(F)(F)C(F)(F)C(F)(F)F	-8.51	56.52	2.17	P	IN
QL03321	1,1,1,3,3,3-Hexafluoropropan-2-yl heptafluorobutanoate	922168-41-0	FC(F)(F)C(OC(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.27	56.52	2.06	P	IN
QL03322	Hexafluoroisopropyl acrylate	2160-89-6	FC(F)(F)C(OC(=O)C=C)C(F)(F)F	-6.02	33.33	1.69	P	IN
QL03323	1,1,1,3,3,3-Hexafluoropropan-2-yl nonafluorobutane-1-sulfonate	118334-96-6	FC(F)(F)C(OS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-8.48	55.56	2.18	P	IN

QL03324	H-substituted perfluoroalkyl (linear) sulfonic acids_ii, n=0		FC(F)(F)C(S(=O)(O)=O)(F)[H]	-5.15	33.33	1.30	P	IN
QL03325	1,1,1,4,4,5,5,6,6,7,7,8,8,9,9- Hexadecafluoronon-2-ene	935477-01-3	FC(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.30	59.26	2.44	P	IN
QL03326	1,1,1,4,4,5,5,6,6,7,7,8,8,8- Tetradecafluorooct-2-ene	935476-95-2	FC(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.77	58.33	2.23	P	IN
QL03327	1,1,1,4,4,5,5,6,6,7,7- Dodecafluorohept-2-ene	887111-62-8	FC(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.56	57.14	2.17	P	IN
QL03328	(2E)-1,1,1,4,4,5,5,6,6,6- Decafluorohex-2-ene	83227-62-7	FC(F)(F)C=CC(F)(F)C(F)(F)C(F)(F)F	-7.88	55.56	1.91	P	IN
QL03329	Cyclohexane, decafluorobis(trifluoromethyl)- (6Cl,7Cl,8Cl,9Cl)	26637-68-3	FC(F)(F)C1(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.70	66.67	1.52	P	OUT
QL03330	Perfluorodimethylcyclobutane	28677-00-1	FC(F)(F)C1(C(F)(F)F)C(F)(F)C(F)(F)C1(F)F	-7.62	66.67	1.48	P	OUT
QL03331	Perfluoro-1,3,5- trimethylcyclohexane	374-76-5	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.33	66.67	1.35	P	OUT
QL03332	Cyclobutane, 1,1,2,3,3,4- hexafluoro-2,4- bis(trifluoromethyl)-	13221-71-1	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.53	66.67	1.89	P	OUT
QL03333	1,1,2,2,3,4,4,5,5,6-Decafluoro-3,6- bis(trifluoromethyl)cyclohexane	374-77-6	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.52	66.67	1.89	P	OUT
QL03334	Perfluoro-1,3- dimethylcyclohexane	335-27-3	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.63	66.67	1.48	P	OUT
QL03335	Perfluoro-5,5'-bis(trifluoromethyl)- 1,1'-bicyclohexyl	105462-77-9	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F)C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-9.00	65.00	2.15	P	IN
QL03336	Perfluoro-1,2- dimethylcyclohexane	306-98-9	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)(F)F	-7.63	66.67	1.48	P	OUT
QL03337	Perfluoromethylcyclohexane	355-02-2	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.61	66.67	1.47	P	OUT
QL03338	Cyclohexanesulfonyl fluoride, decafluoro(trifluoromethyl)-	68318-34-3	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)S(F)(=O)=O	-7.11	58.33	1.48	P	IN
QL03339	Perfluoromethylcyclopentane	1805-22-7	FC(F)(F)C1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.62	66.67	1.48	P	OUT
QL03340	Perfluoromethyldecalin	51294-16-7	FC(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C12F	-8.14	64.52	1.77	P	IN
QL03341	Perfluoro-1,2- dimethylcyclobutane	2994-71-0	FC(F)(F)C1(F)C(F)(F)C(F)(F)C1(F)C(F)(F)F	-7.33	66.67	1.35	P	OUT
QL03342	Perfluoro-2-methyldecalin	306-95-6	FC(F)(F)C1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F	-8.77	64.52	2.06	P	IN
QL03343	Perfluoro-3,6-dimethyl-1,4-dioxan- 2-one	7309-84-4	FC(F)(F)C1(F)OC(F)(F)C(F)(OC1=O)C(F)(F)F	-7.86	52.63	1.98	P	IN
QL03344	Perfluoromethyloxirane	428-59-1	FC(F)(F)C1(F)OC1(F)F	-6.94	60.00	1.36	P	IN
QL03345	Perfluoroalkyl N-heterocycles, m+n+p=6		FC(F)(F)C1=C(OC(F)(F)F)N=C(C(F)(C(F)(F)F)C(F)(F)C(F)(F)F)[N-]1	-8.46	55.56	2.17	P	IN
QL03346	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9- Heptadecafluoro-N-[3- (trifluoromethyl)phenyl]nonanami de	325989-96-6	FC(F)(F)c1cccc(NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)c1	-9.63	46.51	2.95	P	IN
QL03347	2,2,3,3,4,4,4-Heptafluoro-N-[3- (trifluoromethyl)phenyl]butanami de	2059-15-6	FC(F)(F)c1cccc(NC(=O)C(F)(F)C(F)(F)C(F)(F)F)c1	-7.76	35.71	2.40	P	IN
QL03348	Dichlorobis(1,1,2,2,3,3,6,6- nonafluorohexyl)silane	156323-66-9	FC(F)(F)CCC(F)(F)C(F)(F)C(F)(F)[Si](Cl)(Cl)C(F)(F)C(F)(F)C(F)(F)CCC(F)(F)F	-9.45	48.78	2.80	P	IN
QL03349	Trichloro(1,1,2,2,3,3,6,6- nonafluorohexyl)silane	78560-47-1	FC(F)(F)CCC(F)(F)C(F)(F)C(F)(F)[Si](Cl)(Cl)Cl	-8.25	52.17	2.17	P	IN
QL03350	1-Bromo-4- (1,1,2,2,3,3,4,4,5,5,6,6,7,7,10,10,1 0-heptafluorodecyl)benzene	195324-88-0	FC(F)(F)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC=C(Br)C=C1	-9.27	42.86	2.88	P	IN
QL03351	1,1,1,2,2,3,3,4,4,7,7- Dodecafluoroheptane	503189-11-5	FC(F)(F)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.25	52.17	2.17	P	IN
QL03352	1,1,1,2,2,3,3,6,6,6- Decafluorohexane	188189-52-8	FC(F)(F)CCC(F)(F)C(F)(F)C(F)(F)F	-7.53	50.00	1.91	P	IN

[illegible]

QL03377	1-[bromo(difluoro)methoxy]-1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethane	87136-78-5	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)Br	-8.10	62.50	1.81	P	IN
QL03378	2,2-difluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]acetyl Chloride	261503-81-5	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(Cl)=O	-8.51	55.56	2.19	P	IN
QL03379	1-[Bromo(difluoro)methoxy]-1,1,2,2-tetrafluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethane	330562-45-3	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)Br	-9.14	60.87	2.33	P	IN
QL03380	1,1,1,3,3,4,4,6,6,7,7,9,9,10,10,12,12,13,13,15,15,15-Docosafluoro-2,5,8,11,14-pentaoxapentadecane	64028-06-4	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-10.44	59.46	2.95	P	OUT
QL03381	Perfluoro-2,5,8,11-tetraoxadodecane	64028-04-2	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-9.78	60.00	2.64	P	IN
QL03382	3-Ethenyl-1,1,2-trifluoro-2-[1,1,2,2-tetrafluoro-2-[1,1,2,2-tetrafluoro-2-[1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethoxy]ethoxy]ethoxy]cyclobutane	709620-35-9	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC1(F)C(CC1(F)F)C=C	-9.45	43.90	2.94	P	IN
QL03383	1-[Chloro(difluoro)methoxy]-1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethane	87136-79-6	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)Cl	-8.10	62.50	1.81	P	IN
QL03384	1-[Difluoro(iodo)methoxy]-1,1,2,2-tetrafluoro-2-(trifluoromethoxy)ethane	138370-72-6	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)I	-8.10	62.50	1.81	P	IN
QL03385	1,2-Dichloro(perfluoro-1-[(2-methoxyethoxy)methoxy]ethane)	369371-43-7	FC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)OC(F)(Cl)C(F)(F)Cl	-9.29	60.87	2.39	P	IN
QL03386	1,1,1,2,3,3-Hexafluoro-2,3-bis(trifluoromethoxy)propane ether-substituted perfluoroalkyl	95842-02-7	FC(F)(F)OC(F)(F)C(F)(OC(F)(F)F)C(F)(F)F	-8.33	63.16	1.90	P	IN
QL03387	(linear) caborxylic acids, n=0		FC(F)(F)OC(F)(F)C(O)=O	-6.11	41.67	1.49	P	IN
QL03388	1,2-dichloro(perfluoro-1-(methoxymethoxy)ethane)	874288-98-9	FC(F)(F)OC(F)(F)OC(F)(Cl)C(F)(F)Cl	-8.31	62.50	1.91	P	IN
QL03389	multiple ether-substituted perfluoroalkyl (linear) caborxylic acids, n=2	39492-89-2	FC(F)(F)OC(F)(F)OC(F)(F)C(O)=O	-7.21	43.75	1.93	P	IN
QL03390	multiple ether-substituted perfluoroalkyl (linear) caborxylic acids, n=3	39492-90-5	FC(F)(F)OC(F)(F)OC(F)(F)OC(F)(F)C(O)=O	-8.03	45.00	2.27	P	IN
QL03391	multiple ether-substituted perfluoroalkyl (linear) caborxylic acids, n=4	39492-91-6	FC(F)(F)OC(F)(F)OC(F)(F)OC(F)(F)OC(F)(F)C(O)=O	-8.69	45.83	2.54	P	IN
QL03392	1,1,1,2-Tetrafluoro-2-iodo-2-(trifluoromethoxy)ethane	139604-89-0	FC(F)(F)OC(F)(I)C(F)(F)F	-7.57	66.67	1.46	P	OUT
QL03393	1,1,1,5,5,6,6,10,10,10-Decafluoro-3,3,8,8-tetrakis(trifluoromethyl)-2,4,7,9-tetraoxadecane	95841-80-8	FC(F)(F)OC(OC(F)(F)C(F)(F)OC(OC(F)(F)F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-9.06	61.11	2.29	P	IN
QL03394	Tetrakis(trifluoromethoxy)methane	92639-87-7	FC(F)(F)OC(OC(F)(F)F)(OC(F)(F)F)OC(F)(F)F	-7.26	57.14	1.58	P	IN
QL03395	Undecafluoro(trifluoromethoxy)cyclohexane	4943-06-0	FC(F)(F)OC1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-8.41	63.64	1.92	P	IN

QL03428	1-chloro-1,1,2,2,3,3-hexafluoro-3- [(trifluorovinyl)oxy]propane 1,1,2,2,3,3-Hexafluoro-1- [(trifluoroethenyl)oxy]-3- (trifluoromethoxy)propane	80962-91-0	FC(F)=C(F)OC(F)(F)C(F)(F)C(F)Cl	-8.35	62.50	1.92	P	IN
QL03429	1,1,2,2,3,3-Hexafluoro-1,3- bis((trifluoroethenyl)oxy)-3- (trifluoromethoxy)propane	40573-09-9	FC(F)=C(F)OC(F)(F)C(F)(F)C(F)(F)OC(F)(F)F	-8.87	60.00	2.23	P	IN
QL03430	1,1,2,2,3,3-Hexafluoro-1,3- bis((trifluorovinyl)oxy)propane	13846-22-5	FC(F)=C(F)OC(F)(F)C(F)(F)C(F)(F)OC(F)=C(F)F	-9.11	57.14	2.42	P	IN
QL03431	1,1,2,2,3,3-hexafluoro-1- [(trifluorovinyl)oxy]propane	84145-18-6	FC(F)=C(F)OC(F)(F)C(F)(F)C(F)F	-7.98	56.25	1.93	P	IN
QL03432	Trifluoro(1,1,2,2-tetrafluoro-2- iodoethoxy)ethylene 1,1'-((1,1,2,2- Tetrafluoroethylene)bis(oxy))bis(1 ,2,2-trifluoroethylene)	6037-91-8	FC(F)=C(F)OC(F)(F)C(F)(F)I	-7.92	61.54	1.76	P	IN
QL03433	Perfluoro(3-oxapent-4- ene)sulfonyl fluoride	1998-53-4	FC(F)=C(F)OC(F)(F)C(F)(F)OC(F)=C(F)F	-8.52	55.56	2.20	P	IN
QL03434	Perfluoro(2-propoxypropyl vinyl ether)	29514-94-1	FC(F)=C(F)OC(F)(F)C(F)(F)S(F)(=O)=O	-7.57	50.00	1.92	P	IN
QL03435		1644-11-7	FC(F)=C(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-9.42	61.54	2.44	P	IN
QL03436	Perfluoro(3-(1-(ethenyloxy)propan- 2-yloxy)propanenitrile)	69804-19-9	FC(F)=C(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)C#N)C(F)(F)F	-8.93	54.17	2.42	P	IN
QL03437	Perfluoro(4-methyl-3,6-dioxaoct-7- ene)sulfonyl fluoride	16090-14-5	FC(F)=C(F)OC(F)(F)C(F)(OC(F)(F)C(F)(F)S(F)(=O)=O)C(F)(F)F	-8.95	53.85	2.44	P	IN
QL03438	1,1,1,2,2,3,3-Heptafluoro-3- {[1,1,1,2,3,3-hexafluoro-3- {(1,1,1,2,3,3-hexafluoro-3- [(trifluoroethenyl)oxy]propan-2- yl)oxy}propan-2-yl]oxy}propane	2599-84-0	FC(F)=C(F)OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.92	61.11	2.67	P	OUT
QL03439	1,1,2,3,3-pentafluoro-3- [(trifluorovinyl)oxy]propene	64080-43-9	FC(F)=C(F)OC(F)(F)C(F)=C(F)F	-8.07	57.14	1.95	P	IN
QL03440	1- [Difluoro(pentafluoroethoxy)meth oxy]-1,2,2-trifluoroethene	346662-93-9	FC(F)=C(F)OC(F)(F)OC(F)(F)C(F)(F)F	-8.58	58.82	2.13	P	IN
QL03441	Perfluoro[(2- methoxyethoxy)methoxy]ethene 1- [Difluoro(trifluoromethoxy)metho xy]-1,2,2-trifluoroethene	369371-47-1	FC(F)=C(F)OC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-9.07	57.14	2.40	P	IN
QL03442	1,1'- [(difluoromethylene)bis(oxy)]bis[1 ,2,2-trifluoroethylene]	700874-87-9	FC(F)=C(F)OC(F)(F)OC(F)(F)F	-8.02	57.14	1.92	P	IN
QL03443	2,2,3,5,6-Pentafluoro-3,6- bis(trifluoromethyl)-5- (trifluorovinyl)oxy]-1,4-dioxane	13845-92-6	FC(F)=C(F)OC(F)(F)OC(F)=C(F)F	-8.33	53.33	2.17	P	IN
QL03444	2-(difluoromethylene)-4,4,5- trifluoro-5-(trifluoromethyl)-1,3- dioxolane	61097-79-8	FC(F)=C(F)OC1(F)OC(F)(C(F)(F)C(F)(F)C(F)(F)OC1(F)C(F)(F)F	-8.37	56.00	2.11	P	IN
QL03445	1,1,3,4,4,4-Hexafluoro-3- (trifluoromethyl)but-1-ene	17256-52-9	FC(F)=C1OC(F)(F)C(F)(O1)C(F)(F)F	-7.56	53.33	1.83	P	IN
QL03446	1,1,3,3,3-Pentafluoropropene	1840-17-1	FC(F)=CC(F)(C(F)(F)C(F)(F)F	-6.98	60.00	1.38	P	IN
QL03447		690-27-7	FC(F)=CC(F)(F)F	-6.53	55.56	1.30	P	IN
QL03448	(Nonafluorobutyl)carbonimidoyl	424-32-8	FC(F)=NC(F)(F)C(F)(F)C(F)(F)F	-8.44	64.71	1.90	P	IN
QL03449	1,1,2,2,3,3,4,4-Octafluorobutane-1- sulphonic anhydride	93894-55-4	FC(F)C(F)(F)C(F)(F)C(F)(F)S(=O)(=O)O[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-9.05	48.48	2.63	P	IN
QL03450	Trichloro(1,1,2,2,3,3,4,4- octafluorobutyl)silane	375-63-3	FC(F)C(F)(F)C(F)(F)C(F)(F)Si(Cl)(Cl)Cl	-8.22	64.71	1.81	P	IN
QL03451	1-(6H-Perfluorohexyl)-1-(fluoren-2- yl)-N- (perfluorobutyl)sulfonyloxymetha nimine	691358-66-4	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(=NOS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1=CC2=C(C=C1)C1=C(C2)C=CC=C1	-8.78	35.00	2.89	P	IN

	2,2,3,3,4,4,5,5,6,6,7,7,8,8-Tetradecafluoro-1-phenyloctan-1-one	1427-89-0	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(=O)C1=CC=CC=C1	-8.64	40.00	2.68	P	IN
QL03452	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-Nonacosafuorotetradecane	66577-33-1	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.83	65.91	2.95	P	OUT
QL03453	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-Heptacosafuorotridecane	423-66-5	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.70	65.85	2.89	P	OUT
QL03454	1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Pentacosafluorododecane	66563-68-6	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.37	65.79	2.75	P	OUT
QL03455	1-H-Perfluorodecane	375-97-3	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.85	65.63	2.51	P	IN
QL03456	1H-Perfluorononane	375-94-0	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.69	65.52	2.45	P	IN
QL03457	2-(((2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Hexadecafluorononyl)oxy)methyl)oxirane	125370-60-7	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COC1CO1	-8.90	42.11	2.74	P	IN
QL03458	8H-Perfluorooctane	335-65-9	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.22	65.38	2.24	P	IN
QL03459	1H,8H-Perfluorooctane	307-99-3	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.97	61.54	2.23	P	IN
QL03460				-9.03	65.22	2.16	P	IN
QL03461	1-Hydroperfluoroheptane (6H-Perfluorohexyl)methyl acrylate	NOCAS_871634 2993-85-3	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COC(=O)C=C	-8.25	40.00	2.51	P	IN
QL03462	1,1,2,2,3,3,4,4,5,5,6,6-Dodecafluoro-7-(trifluoromethoxy)heptane	1737-33-3	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)COC(F)(F)F	-9.10	55.56	2.45	P	IN
QL03463	1H-Perfluorohexane	355-37-3	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.45	65.00	1.90	P	IN
QL03464	1H,6H-Perfluorohexane	336-07-2	FC(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.12	60.00	1.89	P	IN
QL03465	1,1,1,2,2,3,3,4,4,5,5-Undecafluoropentane	375-61-1	FC(F)C(F)(F)C(F)(F)C(F)(F)F	-8.22	64.71	1.81	P	IN
QL03466	5H-Perfluoropentalanal	2648-47-7	FC(F)C(F)(F)C(F)(F)C(F)(F)C=O	-7.27	50.00	1.79	P	IN
QL03467	Butane, 1-chloro-1,1,2,2,3,3,4,4-octafluoro-	423-31-4	FC(F)C(F)(F)C(F)(F)CFCl	-7.43	64.29	1.46	P	OUT
QL03468	1H,1H,5H-Perfluoropentyl acrylate	376-84-1	FC(F)C(F)(F)C(F)(F)C(F)(F)COC(=O)C=C	-7.29	33.33	2.26	P	IN
QL03469				-9.17	44.44	2.80	P	IN
QL03470	2,2,4,4,6,6-Hexakis((2,2,3,3,4,4,5,5-octafluoropentyl)oxy)-1,3,5,2lambda~5~,4lambda~5~,6lambda~5~-triaza-triphsphinine	16059-16-8	FC(F)C(F)(F)C(F)(F)COP1(OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)=NP(OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)=N1	-7.43	64.29	1.46	P	OUT
QL03471	1H-Nonafluorobutane	375-17-7	FC(F)C(F)(F)C(F)(F)F	-6.34	46.67	1.46	P	IN
QL03472	2,3,3,4,4,5,5-Heptafluoro-1-pentene	1547-26-8	FC(F)C(F)(F)C(F)(F)C(F)=C	-6.98	57.14	1.46	P	IN
QL03473	1H,4H-Octafluorobutane	377-36-6	FC(F)C(F)(F)C(F)(F)C(F)F	-8.00	60.00	1.84	P	IN
QL03474	1,1,2,2,3,3-Hexafluoro-1-(trifluoromethoxy)propane	67490-36-2	FC(F)C(F)(F)C(F)(F)OC(F)(F)F	-6.14	45.45	1.41	P	IN
QL03475	1,1,2,2-Tetrafluoro-3-iodopropane	679-87-8	FC(F)C(F)(F)CI	-5.78	22.22	1.89	P	OUT
QL03476	2,2,3,3-Tetrafluoropropyl acrylate (2H-Perfluoroethyl)(1H,1H,3H-perfluoropropyl)ether	7383-71-3	FC(F)C(F)(F)COC(=O)C=C	-7.05	44.44	1.84	P	IN
QL03477	Vinyl 1H,1H,3H-perfluoropropyl ether	16627-68-2	FC(F)C(F)(F)COC(F)(F)C(F)F	-5.86	25.00	1.85	P	OUT
QL03478	((2,2,3,3-Tetrafluoropropoxy)methyl)oxiran e	29819-80-5	FC(F)C(F)(F)COC=C	-5.71	20.00	1.92	P	OUT
QL03479	2,2,3,3-Tetrafluoropropyl nonafluorobutane-1-sulfonate	19932-26-4	FC(F)C(F)(F)COC1CO1	-8.64	48.15	2.45	P	IN
QL03480		66959-14-6	FC(F)C(F)(F)COS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F					

QL03530	1,2,3,3,4,4,5,5,6,6,6-Undecafluorohex-1-ene	66249-21-6	FC=C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.22	61.11	1.90	P	IN
QL03532	(Z)-1,2,3,3,3-pentafluoropropene	5528-43-8	FC=C(F)C(F)(F)F	-6.77	55.56	1.41	P	IN
QL03533	(1Z)-1,3,4,4,4-Pentafluoro-3-(trifluoromethyl)but-1-ene	14318-61-7	FC=C/C(F)(C(F)(F)F)C(F)(F)F	-6.66	53.33	1.42	P	IN
QL03534	(1E)-1,3,4,4,4-Pentafluoro-3-(trifluoromethyl)but-1-ene	14149-41-8	FC=CC(F)(C(F)(F)F)C(F)(F)F	-6.66	53.33	1.42	P	IN
QL03535	Perfluoroglutaric anhydride	376-68-1	FC1(F)C(=O)OC(=O)C(F)(F)C1(F)F	-5.74	42.86	1.30	P	IN
QL03536	Perfluorosuccinic anhydride	699-30-9	FC1(F)C(=O)OC(=O)C1(F)F	-4.67	36.36	0.99	P	IN
QL03537	1,2-Dichloroperfluorocyclohexene	336-19-6	FC1(F)C(Cl)=C(Cl)C(F)(F)C(F)(F)C1(F)F	-6.19	62.50	0.95	P	OUT
QL03538	Perfluorocyclohexanecarbonyl bromide	261761-76-6	FC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-7.11	60.00	1.44	P	IN
QL03539	Chloroperfluorocyclohexane	336-15-2	FC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.37	66.67	0.92	P	OUT
QL03540	(Perfluorocyclohexyl)methyl prop-2-enoate	40677-94-9	FC1(F)C(F)(F)C(F)(F)C(F)(F)COC(=O)C=C(C)C(F)(F)C1(F)F	-7.47	39.29	2.17	P	IN
QL03541	Perfluorocyclohexane	355-68-0	FC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.37	66.67	0.92	P	OUT
QL03542	Piperidine, 2,2,3,3,4,4,5,5,6,6-decafluoro-1-(pentafluoroethyl)-	564-11-4	FC1(F)C(F)(F)C(F)(F)C(F)(F)C(N1C(F)(F)C(F)(F)F)(F)F	-8.49	65.22	1.91	P	IN
QL03543	Decafluorocyclopentane	376-77-2	FC1(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.37	66.67	0.92	P	OUT
QL03544	(Perfluorocyclopentyl)phenyldiazene	97388-28-8	FC1(F)C(F)(F)C(F)(F)C(F)(F)N=NC2=CC=CC=C2C1(F)F	-7.01	33.33	2.13	P	IN
QL03545	Octafluorocyclobutane	115-25-3	FC1(F)C(F)(F)C(F)(F)C1(F)F	-6.37	66.67	0.92	P	OUT
QL03546	Tetracosafuorotetradecahydrophenanthrene	306-91-2	FC1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C1(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C21F	-8.73	63.16	2.08	P	IN
QL03547	Perflunafene	306-94-5	FC1(F)C(F)(F)C(F)(F)C2(F)C(F)(F)C(F)(F)C(F)(F)C2(F)C1(F)F	-8.16	64.29	1.79	P	IN
QL03548	4,4,5,5,6,6-hexafluoro-1,3,2-dithiazinane 1,1,3,3-tetraoxide	84246-29-7	FC1(F)C(F)(F)S(=O)(=O)NS(=O)(=O)C1(F)F	-5.22	35.29	1.27	P	IN
QL03549	1H-Hexafluorocyclopentene	1005-73-8	FC1(F)C=CC(F)(F)C1(F)F	-6.00	46.15	1.32	P	IN
QL03550	Perfluoroperhydrofluorene	307-08-4	FC1(F)C2(F)C(F)(F)C3(F)C1(F)C(F)(F)C(F)(F)C3(F)C(F)(F)C(F)(F)C2(F)F	-8.39	62.86	1.93	P	IN
QL03551	2,2,3,3-Tetrafluorooxetane	765-63-9	FC1(F)COC1(F)F	-4.49	40.00	0.81	P	OUT
QL03552	Perfluoro(oxacyclopentane)	773-14-8	FC1(F)OC(F)(F)C(F)(F)C1(F)F	-6.15	61.54	0.96	P	OUT
QL03553	Perfluoro-15-crown-5-ether	97571-69-2	FC1(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC1(F)F	-5.93	57.14	0.99	P	OUT
QL03554	6-Isocyanato-2,2,4,4-tetrafluoro-1,3-benzodioxene	26030-46-6	FC1(F)OC2=C(C=C(C2)N=C=O)C(F)(F)O1	-6.46	20.00	2.26	P	OUT
QL03555	Tetrafluoroethane beta-sultone	697-18-7	FC1(F)OS(=O)(=O)C1(F)F	-5.71	40.00	1.36	P	IN
QL03556	2,2,4,4-Tetrafluoro-1,3-dithietane	1717-50-6	FC1(F)SC(F)(F)S1	-6.63	50.00	1.50	P	IN
QL03557	2,2,3,3,4,4,5,5,6,6-Decafluoro-1-(trifluoromethyl)piperidine	359-71-7	FC1(N(C(C(F)(F)C(C1(F)F)(F)F)(F)F)C(F)(F)F)F	-7.56	65.00	1.50	P	OUT
QL03558	1-Chloroheptafluorocyclopentene	1759-63-3	FC1=C(Cl)C(F)(F)C(F)(F)C1(F)F	-6.15	61.54	0.96	P	OUT
QL03559	Perfluoro(4-isopropyltoluene)	20017-49-6	FC1=C(F)C(=C(F)C(F)F)=C1C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.62	58.33	2.16	P	IN
QL03560	Decafluorocyclohexene	355-75-9	FC1=C(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.19	62.50	0.95	P	OUT
QL03561	Octafluorocyclopentene	559-40-0	FC1=C(F)C(F)(F)C(F)(F)C1(F)F	-6.15	61.54	0.96	P	OUT
QL03562	Hexafluorocyclobutene	697-11-0	FC1=C(F)C(F)(F)C1(F)F	-6.08	60.00	0.97	P	OUT
QL03563	1,2,3,4,5-Pentafluoro-6-(hepta-decafluorooctyl)benzene	54387-09-6	FC1=C(F)C(F)F=C(C(F)=C1F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.05	61.11	2.73	P	OUT
QL03564	Perfluorotetralin	2342-07-6	FC1=C(F)C2=C(C(F)=C1F)C(F)(F)C(F)(F)C2(F)F	-7.56	54.55	1.79	P	IN
QL03565	Octafluoronaphthalene	313-72-4	FC1=C(F)C2=C(C(F)=C1F)C(F)=C(F)C(F)=C2F	-7.04	44.44	1.84	P	IN
QL03566	Cyclopentene, 1,3,3,4,4,5,5-heptafluoro-	1892-03-1	FC1=CC(F)(F)C(F)(F)C1(F)F	-5.72	53.85	0.98	P	OUT
QL03567	Undecafluorocyclohexane	308-24-7	FC1C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.07	61.11	0.94	P	OUT
QL03568	1-Bromo-2,3,5,6-tetrafluoro-4-{1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propyl}benzene	60799-27-1	Fc1c(F)c(c(F)c(F)c1Br)C(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.05	58.54	2.80	P	OUT

[illegible]

QL03608	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=8		FS(F)(F)(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-9.47	60.00	2.50	P	IN
QL03609	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=7		FS(F)(F)(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-9.26	59.38	2.42	P	IN
QL03610	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=6		FS(F)(F)(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-8.76	58.62	2.22	P	IN
QL03611	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=5		FS(F)(F)(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-8.49	57.69	2.12	P	IN
QL03612	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=4		FS(F)(F)(F)(F)C(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-7.85	56.52	1.87	P	IN
QL03613	Pentafluorosulfide Perfluoroalkyl (linear) sulfonic acids, n=3		FS(F)(F)(F)(F)C(F)(F)C(F)(F)S(O)(=O)=O	-7.49	55.00	1.75	P	IN
QL03614	Ammonium perfluorobutanoate	10495-86-0	N.[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.59	41.18	1.73	P	IN
QL03615	perfluoropropanesulfonamido ethanol, n =3		N(CCO)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.99	30.43	2.21	P	IN
QL03616	perfluoroethanesulfonamido ethanol, n =2		N(CCO)S(=O)(=O)C(F)(F)C(F)(F)F	-6.09	25.00	1.95	P	OUT
QL03617	4,4,5,5,6,6,6-Heptafluoro-L- norleucine	148043-94-1	N[C@@H](CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)O)=O	-6.45	31.82	1.92	P	IN
QL03618	Isooctanesulfonamide,							
QL03619	heptadecafluoro-	93894-56-5	N[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)	-8.49	54.84	2.20	P	IN
QL03619	(S)-Perfluorobutanesulfonamide	1303994-31-1	N[S@](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.31	50.00	1.81	P	IN
QL03620	3,3,4,4,5,5,6,6-Nonafluoro-1- nitrohex-1-en-2-amine	223260-92-2	NC(=[N+][([O-])=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.59	40.91	2.18	P	IN
QL03621	3-Amino-4,4,5,5,6,6,6-heptafluoro- 1-phenylhex-2-en-1-one	91508-85-9	NC(=CC(=O)C1=CC=CC=C1)C(F)(F)C(F)(F)C(F)(F)F	-7.10	24.14	2.43	P	OUT
QL03622	Perfluorooctanamide	307-31-3	NC(=N)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.49	53.57	2.24	P	IN
QL03623	2,2,3,3,4,4,5,5,6,6,7,7- Tridecafluoroheptanimidamide	25264-81-7	NC(=N)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.22	52.00	2.16	P	IN
QL03624	2,2,3,3,4,4,5,5,6,6- Undecafluorohexanimidamide	464-21-1	NC(=N)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.52	50.00	1.90	P	IN
QL03625	Perfluorobutyrylamidine	375-19-9	NC(=N)C(F)(F)C(F)(F)C(F)(F)F	-6.16	43.75	1.46	P	IN
QL03626	2-(2,2,3,3,4,4,4- Heptafluorobutanoyl)hydrazine-1- carboximidamide	25978-98-7	NC(=N)NNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.03	31.82	2.18	P	IN
QL03627	(1Z)-2,2,3,3,4,4,4-Heptafluoro-N'- (2,2,3,3,4,4,4- heptafluorobutanimidoyl)butanim idamide	648-13-5	NC(=N/C(=N)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.59	50.00	2.38	P	IN
QL03628	(1r,4r)-4- (Nonafluorobutyl)cyclohexane-1- carboxamide	88951-21-7	NC(=O)[C@H]1CC[C@@H]1(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.31	26.47	2.46	P	OUT
QL03629	(1r,4r)-4- (Heptafluoropropyl)cyclohexane-1- carboxamide	88951-19-3	NC(=O)[C@H]1CC[C@@H]1(CC1)C(F)(F)C(F)(F)C(F)(F)F	-6.70	22.58	2.29	P	OUT
QL03630	(1s,4s)-4- (Nonafluorobutyl)cyclohexane-1- carboxamide	88951-20-6	NC(=O)[C@H]1CC[C@H]1(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.31	26.47	2.46	P	OUT
QL03631	(1s,4s)-4- (Heptafluoropropyl)cyclohexane-1- carboxamide	88951-18-2	NC(=O)[C@H]1CC[C@H]1(CC1)C(F)(F)C(F)(F)C(F)(F)F	-6.70	22.58	2.29	P	OUT
QL03632	2,3,3,3-Tetrafluoro-2- (trifluoromethyl)propanamide	662-20-4	NC(=O)C(F)(C(F)(F)F)C(F)(F)F	-5.85	46.67	1.24	P	IN
QL03633	nonadecafluorodecanamide	307-40-4	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.35	57.58	2.51	P	IN

QL03634	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Heptafluorooctanonanamide	82854-34-0	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.14	56.67	2.45	P	IN
QL03635	Perfluorooctanamide	423-54-1	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.62	55.56	2.24	P	IN
QL03636	Perfluorooctanedioic diamide	3492-23-7	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(N)=O	-7.81	42.86	2.23	P	IN
QL03637	Perfluoroheptanamide	2358-22-7	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.35	54.17	2.16	P	IN
QL03638	2,2,3,3,4,4,5,5,6,6,6-Undecafluorohexanamide	335-54-6	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.67	52.38	1.90	P	IN
QL03639	2,2,3,3,4,4,5,5,6,6-Decafluoro-6-[(1,1,1,2,3,3,3-heptafluoropropan-2-yl)oxy]hexanamide	29952-92-9	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)OC(F)(C(F)(F)F)C(F)(F)F	-8.95	54.84	2.41	P	IN
QL03640	Octafluoroadipamide	355-66-8	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(N)=O	-6.66	36.36	1.89	P	IN
QL03641	Nonafluoropentanamide	13485-61-5	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.31	50.00	1.81	P	IN
QL03642	Perfluoropentanamide	355-81-7	NC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.97	44.44	1.81	P	IN
QL03643	Heptafluorobutyramide	662-50-0	NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.34	46.67	1.46	P	IN
QL03644	Pentafluoropropionamide	354-76-7	NC(=O)C(F)(F)C(F)(F)F	-5.81	41.67	1.36	P	IN
QL03645	Propanamide, 3-[1-[difluoro[1,2,2-trifluoroethenyl)oxy)methyl]-1,2,2,2-tetrafluoroethoxy]-2,2,3,3-tetrafluoro-	69804-18-8	NC(=O)C(F)(F)C(F)(F)OC(F)(C(F)(F)F)C(F)(F)OC(F)=C(F)F	-8.59	48.15	2.43	P	IN
QL03646	2,2,3,3-Tetrafluoropropionamide	2069-86-5	NC(=O)C(F)(F)C(F)F	-5.36	33.33	1.39	P	IN
QL03647	Perfluoro-2(1-propoxy)perfluoropropanamide	13140-35-7	NC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-7.40	50.00	1.85	P	IN
QL03648	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanamide	60308-67-0	NC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F)C(F)(F)F	-8.83	53.13	2.40	P	IN
QL03649	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanamide	51445-02-4	NC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F)C(F)(F)F	-9.52	54.76	2.67	P	IN
QL03650	2,3,3,3-Tetrafluoro-2-(trifluoromethoxy)propanamide	67710-48-9	NC(=O)C(F)(OC(F)(F)C(F)(F)F	-5.98	43.75	1.38	P	IN
QL03651	Flupoxam	119126-15-7	NC(=O)c1nc(-c2cccc2)n(n1)-c1ccc(Cl)c(COCC(F)(F)C(F)(F)F)c1	-7.43	13.33	2.88	P	OUT
QL03652	1,1,1,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptafluorooctan-2-yl carbamate	92681-65-7	NC(=O)OC(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.01	54.84	2.43	P	IN
QL03653	2,2,3,3,4,4,4-Heptafluorobutanethioamide	375-20-2	NC(=S)C(F)(F)C(F)(F)C(F)(F)F	-6.34	46.67	1.46	P	IN
QL03654	2-(Perfluoropropyl)glycine	26208-02-6	NC(C(O)=O)C(F)(F)C(F)(F)C(F)(F)F	-6.54	36.84	1.83	P	IN
QL03655	4,4,5,5,6,6,6-Heptafluoronorleucine	15960-01-7	NC(CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O	-6.45	31.82	1.92	P	IN
QL03656	3-Amino-4,4,5,5,6,6,6-heptafluorohexanoic acid	150618-42-1	NC(CC(O)=O)C(F)(F)C(F)(F)C(F)(F)F	-6.45	31.82	1.92	P	IN
QL03657	2-Amino-3-(perfluoropropyl)-1-phenyl-3-propanol	322392-46-1	NC(CC1=CC=CC=C1)C(O)C(F)(F)C(F)(F)C(F)(F)F	-6.97	21.21	2.45	P	OUT
QL03658	2-Amino-5,5,6,6,7,7,8,8,8-nonafluorooctanoic acid	125162-63-2	NC(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O	-7.22	32.14	2.26	P	IN
QL03659	2-Amino-5,5,6,6,7,7,7-heptafluoroheptanoic acid	10325-10-7	NC(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O	-6.68	28.00	2.13	P	OUT
QL03660	2-Amino-6,6,7,7,8,8,8-heptafluorooctanoic acid	10325-14-1	NC(CCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O	-6.67	25.00	2.21	P	OUT
QL03661	Undecafluoropentan-1-amine	134380-80-6	NC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.77	57.89	1.79	P	IN
QL03662	6-Bromo-8-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)quinolin-5-amine	917923-88-7	NC1=C(Br)C=C(C2=C1C=CC=N2)C(F)(C(F)(F)F)C(F)(F)F	-6.10	28.57	1.86	P	OUT
QL03663	3-(Tridecafluorohexyl)pyridin-4-amine	143094-26-2	NC1=C(C(=NC=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.23	41.94	2.45	P	IN

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QL03719	3,3,4,4,5,5,6,6,7,7,8,8,8- Tridecafluorooctylamine	30556-86-6	NCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.04	46.43	2.23	P	IN
QL03720	3,3,4,4,5,5,6,6,7,7,7- Undecafluoroheptan-1-amine	1346521-42-3	NCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.75	44.00	2.17	P	IN
QL03721	3,3,4,4,5,5,5-Heptafluoropentan-1- amine	1000509-29-4	NCCCC(F)(F)C(F)(F)C(F)(F)F	-6.61	36.84	1.85	P	IN
QL03722	3-(Perfluorooctyl)propylamine N-(3-Aminopropyl)- 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- pentadecafluorooctanamide	139175-50-1	NCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.01	45.95	2.68	P	IN
QL03723		85938-56-3	NCCCN(C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.76	39.47	2.75	P	IN
QL03724	2,2,3,3,4,4,4- Heptafluorobutanimidohydrazide	663-24-1	NNC(=N)C(F)(F)C(F)(F)C(F)(F)F	-6.69	38.89	1.84	P	IN
QL03725	Perfluorotetradecanedioic acid dihydrazide	5102-53-4	NNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(=O)NN	-10.00	48.00	3.07	P	OUT
QL03726	2,2,3,3,4,4,5,5,6,6,7,7,7- Tridecafluoroheptanehydrazide	33843-69-5	NNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.27	50.00	2.24	P	IN
QL03727	2,2,3,3,4,4,4- heptafluorobutanehydrazide	1515-05-5	NNC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.83	41.18	1.84	P	IN
QL03728	perfluoropropane sulfonamide, n=3		NS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.13	43.75	1.45	P	IN
QL03729	perfluoroethane sulfonamide, n=2 4-		NS(=O)(=O)C(F)(F)C(F)(F)F	-5.53	38.46	1.32	P	IN
QL03730	[(Heptadecafluorooctyl)oxy]benze- ne-1-sulfonamide	89932-76-3	NS(=O)(=O)C1=CC=C(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-9.24	40.48	2.94	P	IN
QL03731	4-{2-[(1,1,2,2,3,3,4,4,4- Nonafluorobutane-1- sulfonyl)amino]ethyl}benzene-1- sulfonamide	316826-59-2	NS(=O)(=O)c1ccc(CCNS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)cc1	-7.89	22.50	2.83	P	OUT
QL03732	2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9- Heptadecafluoro-N-[(4- sulfamoylphenyl)methyl]nonanam- ide	316827-33-5	NS(=O)(=O)c1ccc(CNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)cc1	-9.34	35.42	3.12	P	OUT
QL03733	2,2,3,3,4,4,5,5,6,6,7,7,7- Tridecafluoro-N-[(4- sulfamoylphenyl)methyl]heptana- mide	165618-99-5	NS(=O)(=O)c1ccc(CNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)Fcc1	-8.65	30.95	2.94	P	OUT
QL03734	2,2,3,3,4,4,5,5,5-Nonafluoro-N-[(4- sulfamoylphenyl)methyl]pentana- mide	165618-98-4	NS(=O)(=O)c1ccc(CNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)Fcc1	-7.78	25.00	2.71	P	OUT
QL03735	2,2,3,3,4,4,4-Heptafluoro-N-[(4- sulfamoylphenyl)methyl]butanami- de	165618-97-3	NS(=O)(=O)c1ccc(CNC(=O)C(F)(F)C(F)(F)C(F)(F)Fcc1	-7.42	21.21	2.66	P	OUT
QL03736	3,3,4,4,5,5,6,6,7,7,8,8,8- Tridecafluorooctane-1- sulfonamide	29765-95-5	NS(=O)(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.23	41.94	2.44	P	IN
QL03737	5-(Perfluoropropyl)-2,2-dimethyl- 3,5-pentanedione barium(2+) hydrate (211)	143457-82-3	O.[Ba++].CC(C)(C)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F.CC(C)(C)C(=O)CC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.74	21.88	2.33	P	OUT
QL03738	2,2,3,3,4,4,5,5,5- Nonafluoropentanal hydrate (11)	907607-08-3	O.FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C=O	-7.65	47.37	2.03	P	IN
QL03739	2,2,3,3,4,4,4-Heptafluorobutanal-- water (1/1) Potassium pentadecafluorooctanoate--water (1/1/2)	907607-07-2	O.FC(F)(F)C(F)(F)C(F)(F)C=O	-6.78	43.75	1.74	P	IN
QL03740		98065-31-7	O.O.[K+].[O-]C(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.64	46.88	2.49	P	IN
QL03741	Perfluorooctanoic acid-1,2-13C2	864071-08-9	O[13C](=O)[13C](F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.75	57.69	2.24	P	IN

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QL03845	multiple H-substituted perfluoroalkyl sulfates_i n=2		O=S(O)(=O)OC(F)(F)CC(F)(F)C[H]	-5.37	21.05	1.74	P	OUT
QL03846	multiple H-substituted perfluoroalkyl sulfates_i n=3		O=S(O)(=O)OC(F)(F)CC(F)(F)CC(F)(F)C[H]	-6.20	24.00	2.03	P	OUT
QL03847	multiple H-substituted perfluoroalkyl sulfates n=2		O=S(O)(=O)OCC(F)(F)CC(F)(F)[H]	-5.70	21.05	1.88	P	OUT
QL03848	multiple H-substituted perfluoroalkyl sulfates n=3		O=S(O)(=O)OCC(F)(F)CC(F)(F)CC(F)(F)[H]	-6.64	24.00	2.23	P	OUT
QL03849	p-perfluorous nonenoxybenzenesulfonate	271794-15-1	O=S(O)(C(C=C1)=CC=C1O/C(C(F)(F)F)=C(C(C(F)(F)F)(C(F)(F)F)C(C(F)(F)F)C(C(F)(F)F)F)=O	-7.77	40.48	2.28	P	IN
QL03850	Perfluoro-2-butyltetrahydrofuran	335-36-4	O1C(C(C(C(F)(F)F)(F)F)(F)F)(C(C(C1(F)F)(F)F)(F)F	-8.90	64.00	2.13	P	IN
QL03851	2,3,5-Trifluorotetrahydro-4-(pentafluoroethyl)-2,3,4,5-tetrakis(trifluoromethyl)furan	69661-30-9	O1C(F)(C(C(F)(C1(F)C(F)(F)F)C(F)(F)F)(C(F)(F)C(F)(F)F)C(F)(F)F	-8.21	64.52	1.81	P	IN
QL03852	Perfluoro-2-methyloxane	356-47-8	O1C(F)(C(F)(F)C(F)(F)C(F)(F)C1(F)C(F)C(F)(F)F	-7.50	63.16	1.52	P	OUT
QL03853	Perfluoro-2-nonylpentahydropyran	68155-54-4	O1C(F)(F)C(F)(F)C(C(C1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.62	65.12	2.87	P	OUT
QL03854	Dodecafluorooxepane	788-41-0	O1C(F)(F)C(F)(F)C(F)(F)C(C(C1(F)F)(F)F)(F)F	-6.22	63.16	0.95	P	OUT
QL03855	B-(3,5-bis(Perfluoro-1-methylethyl)phenyl)boronic acid	1402929-36-5	OB(O)C1=CC(=CC(=C1)C(F)(C(F)(F)F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F	-6.91	41.18	1.87	P	IN
QL03856	B-(4-(Perfluoro-1-methylethyl)phenyl)boronic acid	1184850-50-7	OB(O)C1=CC=C(C(=C1)C(F)(C(F)(F)F)C(F)(F)F	-6.61	28.00	2.10	P	OUT
QL03857	multiple double bond-perfluoroalkyl (linear) carboxylic acids, n=0		OC(/C(F)=C(F)/C(F)=C(F)/F)=O	-6.71	38.46	1.86	P	IN
QL03858	N-Allylperfluoro-2-propoxypropanamide	165663-65-0	OC(=NCC=C)C(F)(OC(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-8.01	37.93	2.46	P	IN
QL03859	N-(2,2,3,3,4,4,4-Heptafluorobutanoyl)-D-phenylalanine	868275-40-5	OC(=O)[C@H](C1CCCC1)NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.08	20.59	2.52	P	OUT
QL03860	(Nonafluorobutyl)cyclohexane-1-carboxylic acid	88951-25-1	OC(=O)C@H1CC[C@H](CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.36	27.27	2.46	P	OUT
QL03861	(Heptafluoropropyl)cyclohexane-1-carboxylic acid	88951-23-9	OC(=O)C@H1CC[C@H](CC1)C(F)(F)C(F)(F)C(F)(F)F	-6.75	23.33	2.29	P	OUT
QL03862	(1s,4s)-4-(Nonafluorobutyl)cyclohexane-1-carboxylic acid	88951-24-0	OC(=O)C@H1CC[C@H](CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.36	27.27	2.46	P	OUT
QL03863	(Heptafluoropropyl)cyclohexane-1-carboxylic acid	88951-22-8	OC(=O)C@H1CC[C@H](CC1)C(F)(F)C(F)(F)C(F)(F)F	-6.75	23.33	2.29	P	OUT
QL03864	Monoperfluorooctyl itaconate	230295-05-3	OC(=O)C(=C)CC(=O)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.35	43.59	2.90	P	IN
QL03865	3,3,4,4,4-Pentafluoro-2,2-bis(pentafluoroethyl)butanoic acid	1882109-58-1	OC(=O)C(C(F)(F)C(F)(F)F)(C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)F	-7.46	57.69	1.66	P	IN
QL03866	3,3,4,4,4-Pentafluoro-2-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-2-(trifluoromethyl)butanoic acid	1882109-59-2	OC(=O)C(C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.46	57.69	1.66	P	IN
QL03867	3,3,4,4,5,5,5-Heptafluoro-2-(pentafluoroethyl)-2-(trifluoromethyl)pentanoic acid	1882109-63-8	OC(=O)C(C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.78	57.69	1.80	P	IN
QL03868	4,4,4-Trifluoro-2,2,3,3-tetrakis(trifluoromethyl)butanoic acid	1882109-62-7	OC(=O)C(C(F)(F)C(F)(F)F)C(C(F)(F)F)C(F)(F)C(F)(F)F	-6.36	57.69	1.16	P	OUT
QL03869	3,4,4,5,5,5-Hexafluoro-2,2,3-tris(trifluoromethyl)pentanoic acid	1882109-69-4	OC(=O)C(C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.46	57.69	1.66	P	IN

QL03890	2,3,3,4,4,5,6,6-Nonafluoro-2,5-bis(trifluoromethyl)hexanoic acid	1882109-80-9	OC(=O)C(F)(C(F)(F)F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F
QL03891	2,3,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-2-(trifluoromethyl)heptanoic acid	207678-51-1	OC(=O)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL03892	Perfluoroisobutyric acid	335-10-4	OC(=O)C(F)(C(F)(F)F)C(F)(F)F
QL03893	Nonanoic acid, 2,4,6,8,9-pentachloro-2,3,3,4,4,5,5,6,7,7,8,9,9-dodecafluoro-	754-87-0	OC(=O)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)Cl
QL03894	2,2,4,4,5,5,5-Heptafluoro-3-(pentafluoroethyl)-3-(trifluoromethyl)pentanoic acid	1882109-67-2	OC(=O)C(F)(F)C(C(F)(F)F)(C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)F
QL03895	2,2,4,4,5,5,5-Hexafluoro-3,3,4-tris(trifluoromethyl)pentanoic acid	1882109-74-1	OC(=O)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F
QL03896	2,2,4,4,5,5,6,6,6-Nonafluoro-3,3-bis(trifluoromethyl)hexanoic acid	1812247-20-3	OC(=O)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F
QL03897	2,2,3,4,4,5,5-Octafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)pentanoic acid	1882109-68-3	OC(=O)C(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F
QL03898	2,2,3,4,4,5,5,6,6,6-Decafluoro-3-(pentafluoroethyl)hexanoic acid	1882109-78-5	OC(=O)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL03899	2,2,3,5,5,5-Hexafluoro-3,4,4-tris(trifluoromethyl)pentanoic acid	1882109-75-2	OC(=O)C(F)(F)C(C(F)(F)F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F
QL03900	2,2,3,4,4,5,5,6,6,6-Nonafluoro-3,4-bis(trifluoromethyl)hexanoic acid	1882109-81-0	OC(=O)C(F)(F)C(C(F)(F)F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F
QL03901	Perfluoro-3,5,5-trimethylhexanoic acid	238403-51-5	OC(=O)C(F)(F)C(C(F)(F)F)C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(F)F
QL03902	2,2,3,4,4,5,5,6,6,6-Nonafluoro-3,5-bis(trifluoromethyl)hexanoic acid	1144512-35-5	OC(=O)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F
QL03903	Perfluoro-3,7-dimethyloctanoic acid	172155-07-6	OC(=O)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL03904	2,2,3,4,4,5,5,6,6,7,7,7-Dodecafluoro-3-(trifluoromethyl)heptanoic acid	705240-04-6	OC(=O)C(F)(F)C(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL03905	3,5,7,9,11,11-Hexachloro-2,2,3,4,4,5,6,6,7,8,8,9,10,10,11-pentadecafluoroundecanoic acid	53281-37-1	OC(=O)C(F)(F)C(C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)Cl
QL03906	3,5,7,9,9-Pentachloro-2,2,3,4,4,5,6,6,7,8,8,9-dodecafluorononanoic acid	53281-25-7	OC(=O)C(F)(F)C(C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)Cl
QL03907	3,5,7,8-Tetrachloroperfluorooctanoic acid	2923-68-4	OC(=O)C(F)(F)C(C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)Cl
QL03908	3,5,7,7-Tetrachloro-2,2,3,4,4,5,6,6,7-nonafluoroheptanoic acid	16069-78-6	OC(=O)C(F)(F)C(C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)C(F)(Cl)Cl
QL03909	3,5,6-Trichloroperfluorohexanoic acid	2106-54-9	OC(=O)C(F)(F)C(C(F)(Cl)C(F)(F)C(F)(Cl)C(F)(F)Cl
QL03910	2,2,3,3,5,5,6,6,6-Nonafluoro-4,4-bis(trifluoromethyl)hexanoic acid	1192593-79-5	OC(=O)C(F)(F)C(C(F)(F)C(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)F
QL03911	2,2,3,3,4,4,5,5,6,6,6-Decafluoro-4-(pentafluoroethyl)hexanoic acid	1882109-79-6	OC(=O)C(F)(F)C(C(F)(F)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F

-7.78

57.69

1.80

P

IN

-8.49

57.69

2.12

P

IN

-6.05

50.00

1.24

P

IN

-9.26

58.62

2.45

P

IN

-7.43

57.69

1.64

P

IN

-7.43

57.69

1.64

P

IN

-7.68

57.69

1.76

P

IN

-7.46

57.69

1.66

P

IN

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IN

QL03912	2,2,3,3,4,5,6,6-Nonafluoro-4,5-bis(trifluoromethyl)hexanoic acid	1144512-36-6	OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)	-7.87	57.69	1.84	P	IN
QL03913	2,2,3,3,4,5,5,6,6,7,7-Dodecafluoro-4-(trifluoromethyl)heptanoic acid	1144512-18-4	OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)	-8.44	57.69	2.10	P	IN
QL03914	2,2,3,3,4,4,6,6-Nonafluoro-5,5-bis(trifluoromethyl)hexanoic acid	1144512-34-4	OC(=O)C(F)(F)C(F)(F)C(F)(F)C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.78	57.69	1.80	P	IN
QL03915	2,2,3,3,4,4,5,6,6,7,7-Dodecafluoro-5-(trifluoromethyl)heptanoic acid	909009-42-3	OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.44	57.69	2.10	P	IN
QL03916	Perfluoro-6-(trifluoromethyl)heptanoic acid	15166-06-0	OC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.49	57.69	2.12	P	IN
QL03917	TP_8230		OC(=O)C(F)(F)C					

QL03946	Perfluoro-3,6,9-trioxoundecane-1,11-dioic acid	55621-18-6	OC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(O)=O	-8.51	41.38	2.59	P	IN
QL03947	Perfluoro-3,6,9-trioxadecanoic acid	151772-59-7	OC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-8.90	50.00	2.52	P	IN
QL03948	Perfluoro-3,6-dioxaoctane-1,8-dioic acid	55621-21-1	OC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(O)=O	-7.28	36.36	2.17	P	IN
QL03949	Perfluoro-3,6-dioxahепtanoic acid	151772-58-6	OC(=O)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-8.01	47.37	2.19	P	IN
QL03950	3-Azido-2,3,3-trifluoro-2-(heptafluoropropoxy)propanoic acid	95906-13-1	OC(=O)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)N=[N+]=[N-])	-7.76	43.48	2.19	P	IN
QL03951	Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid	13252-14-7	OC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.93	54.84	2.40	P	IN
QL03952	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic)acid	65294-16-8	OC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.60	56.10	2.67	P	IN
QL03953	2,4,4,5,7,7,8,10,10,11,13,13,14,14,15,15,15-Heptadecafluoro-2,5,8,11-tetrakis(trifluoromethyl)-3,6,9,12-tetraoxapentadecanoic acid	65150-95-0	OC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.40	56.86	3.01	P	OUT
	Perfluoro(2,5,8,11,14-pentamethyl-3,6,9,12,15-pentaooxactadecanoic) acid	52481-85-3	OC(=O)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.84	57.38	3.19	P	OUT
QL03954	3-(Perfluoroisopropyl)-(2E)-difluoropropenoic acid	103229-89-6	OC(=O)C(F)=C(/F)C(F)(C(F)(F)F)C(F)(F)F	-7.11	50.00	1.71	P	IN
QL03955	2,3,4,4,4-Pentafluoro-3-(trifluoromethyl)butanoic acid	917951-62-3	OC(=O)C(F)C(F)(C(F)(F)F)C(F)(F)F	-6.23	47.06	1.40	P	IN
QL03956	(2Z)-4,4,5,5,6,6,6-Heptafluoro-3-phenylhex-2-enoic acid	154375-43-6	OC(=O)C=C(c1ccccc1)C(F)(F)C(F)(F)C(F)(F)F	-6.44	25.00	2.11	P	OUT
QL03957	(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen maleate	54950-04-8	OC(=O)C=C/C(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.59	40.48	3.09	P	IN
QL03959	4-[(Heptadecafluorooctyl)oxy]-4-oxobut-2-enoic acid	152682-85-4	OC(=O)C=CC(=O)OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.57	47.22	2.90	P	IN
QL03960	(Perfluorooctyl)ethyl hydrogen fumarate	86130-60-1	OC(=O)C=CC(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.59	40.48	3.09	P	IN
QL03961	4,4,5,5,6,6,6-Heptafluorohex-2-enoic acid	356-03-6	OC(=O)C=CC(F)(F)C(F)(F)C(F)(F)F	-6.91	38.89	1.93	P	IN
QL03962	5-[(Heptadecafluorononyl)oxy]-1,3-benzenedicarboxylic acid	96210-37-6	OC(=O)C1=CC(=CC(OC(F)=C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(O)=O	-9.12	38.64	2.94	P	IN
QL03964	4-(Heptafluoroisopropyl)benzoic acid	2396-21-6	OC(=O)C1=CC=C(C=C1)C(F)(C(F)(F)F)C(F)(F)F	-6.69	29.17	2.10	P	IN
QL03965	4-(Heptadecafluorooctyl)benzoic acid	74701-33-0	OC(=O)C1=CC=C(C=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.35	43.59	2.90	P	IN
QL03966	4-(Nonafluorobutyl)benzoic acid	13835-88-6	OC(=O)C1=CC=C(C=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.74	33.33	2.46	P	IN
QL03967	4-(Heptafluoropropyl)benzoic acid	88950-94-1	OC(=O)C1=CC=C(C=C1)C(F)(F)C(F)(F)C(F)(F)F	-7.11	29.17	2.29	P	OUT
QL03968	4-[(1,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Heptadecafluoronon-1-en-1-yl)oxy]benzoic acid	58253-65-9	OC(=O)C1=CC=C(OC(F)=C(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-9.62	41.46	3.08	P	IN
QL03969	2-[2,3,3,3-Tetrafluoro-2-(trifluoromethyl)propanoyl]benzoic acid	62656-73-9	OC(=O)C1=CC=CC=C1C(=O)C(F)(C(F)(F)F)C(F)(F)F	-5.92	26.92	1.82	P	OUT
QL03970	2-[(2,2,3,3,4,4,4-heptafluorobutanoyl)amino]benzoic acid	82422-33-1	OC(=O)C1=CC=CC=C1NC(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.68	25.00	2.21	P	OUT
QL03971								

QL03972	2-(1,1,2,2-Tetrafluoroethoxy)benzoic acid	10008-97-6	OC(=O)C1=CC=CC=C1OC(F)(F)C(F)F	-5.52	18.18	1.88	P	OUT
QL03973	2,3,5,6-Tetrafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)benzoic acid	20017-56-5	OC(=O)c1c(F)c(F)c(c(F)c1F)C(F)(C(F)(F)F)C(F)(F)F	-7.91	45.83	2.19	P	IN
QL03974	5-([1,1,1,4,5,5,5-Heptafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-4-(trifluoromethyl)pent-2-en-2-yl]oxy)benzene-1,3-dicarboxylic acid	97220-62-7	OC(=O)c1cc(OC(=C(C(F)(C(F)(F)C(F)(F)F)C(F)(C(F)(F)F)C(F)(F)F)cc(c1)C(O)=O	-7.38	38.64	2.15	P	IN
QL03975	5-[1,1,2-Trifluoro-2-(heptafluoropropoxy)ethoxy]benzene-1,3-dicarboxylic acid	1268707-97-6	OC(=O)c1cc(OC(F)(F)C(F)OC(F)(F)C(F)(F)C(F)(F)F)cc(c1)C(O)=O	-7.84	28.57	2.64	P	OUT
QL03976	4-(Pentadecafluoroheptyl)cyclohexane-1-carboxylic acid	88951-28-4	OC(=O)C1CCC(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.53	35.71	2.75	P	IN
QL03977	4-(Tridecafluorohexyl)cyclohexane-1-carboxylic acid	88951-27-3	OC(=O)C1CCC(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.28	33.33	2.71	P	IN
QL03978	4-(Undecafluoropentyl)cyclohexane-1-carboxylic acid	88951-26-2	OC(=O)C1CCC(CC1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	30.56	2.53	P	OUT
QL03979	4-(Heptafluoropropyl)cyclohexane-1-carboxylic acid	88951-29-5	OC(=O)C1CCC(CC1)C(F)(F)C(F)(F)C(F)(F)F	-6.75	23.33	2.29	P	OUT
QL03980	6-(Heptafluoropropyl)pyridine-3-carboxylic acid	1105981-44-9	OC(=O)c1ccc(nc1)C(F)(F)C(F)(F)C(F)(F)F	-7.19	30.43	2.29	P	IN
QL03981	4-([2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)amino]benzoic acid	73782-58-8	OC(=O)c1ccc(NCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-9.04	36.59	2.96	P	IN
QL03982	4-([1,1,1,4,5,5,5-Heptafluoro-3-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)-4-(trifluoromethyl)pent-2-en-2-yl]oxy)benzoic acid	65439-50-1	OC(=O)c1ccc(OC(=C(C(F)(C(F)(F)C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-7.89	41.46	2.30	P	IN
QL03983	[(Pentadecafluoroheptyl)oxy]benzoic acid	75895-47-5	OC(=O)c1ccc(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-9.18	40.54	2.91	P	IN
QL03984	4-([2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)oxy]benzoic acid	129560-87-8	OC(=O)c1ccc(OCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-9.10	37.50	2.96	P	IN
QL03985	4-(2,2,3,3,4,4-Heptafluorobutoxy)benzoic acid	129590-24-5	OC(=O)c1ccc(OCC(F)(F)C(F)(F)C(F)(F)F)cc1	-7.37	25.00	2.53	P	OUT
QL03986	[(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-Heptadecafluorodecyl)oxy]benzoic acid	188034-84-6	OC(=O)c1ccc(OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F)cc1	-9.45	36.96	3.13	P	IN
QL03987	3-(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)benzoic acid	2396-20-5	OC(=O)c1cccc(c1)C(F)(C(F)(F)F)C(F)(F)F	-6.12	29.17	1.85	P	IN
QL03988	2-(Nonafluorobutyl)benzoic acid	14670-68-9	OC(=O)c1ccccc1C(F)(F)C(F)(F)C(F)(F)F	-7.06	33.33	2.16	P	IN
QL03989	2-(Heptafluoropropyl)pyridine-4-carboxylic acid	20897-65-8	OC(=O)c1ccnc(c1)C(F)(F)C(F)(F)C(F)(F)F	-6.90	30.43	2.16	P	IN
QL03990	3,4-Bis(2,2,3,3,4,4,4-heptafluorobutyl)-1H-pyrrole-2,5-dicarboxylic acid	83650-67-3	OC(=O)c1Nc(C(O)=O)c(CC(F)(F)C(F)(F)C(F)(F)F)c1CC(F)(F)C(F)(F)C(F)(F)F	-7.80	35.00	2.44	P	IN
QL03991	4,4,5,5,6,6-Heptafluoro-3-(nitromethyl)hexanoic acid	7079-86-9	OC(=O)CC(C[N+](=O)[O-])C(F)(F)C(F)(F)C(F)(F)F	-6.13	28.00	1.89	P	OUT

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QL04135	1h,1h-perfluoro-3,6,9-trioxatridecan-1-ol	317817-24-6	OCC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)C(F)(F)F	-9.90	52.78	2.89	P	OUT
QL04136	1H,1H,11H,11H-Perfluorotetraethylene glycol	330562-44-2	OCC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)CO	-8.25	38.71	2.54	P	IN
QL04137	Fluorinated triethylene glycol monomethyl ether	147492-57-7	OCC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-8.79	48.15	2.52	P	IN
QL04138	1H,1H-Nonafluoro-3,6-dioxaheptan-1-ol	330562-43-1	OCC(F)(F)OC(F)(F)C(F)(F)OC(F)(F)F	-7.89	45.00	2.21	P	IN
QL04139	2,3,3,3-Tetrafluoro-2-(perfluoropentoxo)propan-1-ol	78693-85-3	OCC(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.45	53.57	2.22	P	IN
QL04140	2-(Perfluoropropoxy)-1H,1H-perfluoropropanol	26537-88-2	OCC(F)(OC(F)(F)C(F)(F)C(F)(F)F	-7.46	50.00	1.87	P	IN
QL04141	Perfluoro(2-(2-propoxypropoxy)-1H,1H-propan-1-ol)	14548-74-4	OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.86	53.13	2.42	P	IN
QL04142	2,3,3,3-Tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propan-1-ol	14620-81-6	OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.53	54.76	2.67	P	IN
QL04143	2,4,4,5,7,7,8,10,10,11,13,13,14,14,15,15,15-Heptadecafluoro-2,5,8,11-tetrakis(trifluoromethyl)-3,6,9,12-tetraoxapentadecan-1-ol	141977-66-4	OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.35	55.77	3.01	P	OUT
QL04144	2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,17,18,18-Icosafluoro-2,5,8,11,14-pentakis(trifluoromethyl)-3,6,9,12,15-pentaaoctadecan-1-ol	27617-34-1	OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.79	56.45	3.19	P	OUT
QL04145	2,4,4,5,7,7,8,10,10,11,13,13,14,16,16,17,19,19,20,20,21,21-Tricosafluoro-2,5,8,11,14,17-hexakis(trifluoromethyl)-3,6,9,12,15,18-hexaaxahenicosan-1-ol	167631-99-4	OCC(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.36	56.94	3.44	P	OUT
QL04147	4,5,5,5-Tetrafluoro-2-iodo-4-(trifluoromethyl)pent-2-en-1-ol	261760-25-2	OCC(I)=CC(F)(C(F)(F)F)C(F)(F)F	-6.57	42.11	1.69	P	IN
QL04149	4,4,5,5,6,6,7,7,8,8,9,9,9-Tridecafluoro-2-iodonon-2-en-1-ol	261761-01-7	OCC(I)=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.75	50.00	2.45	P	IN
QL04150	4,4,5,5,6,6,6-heptafluoro-2-iodohex-2-en-1-ol	92835-82-0	OCC(I)=CC(F)(F)C(F)(F)C(F)(F)F	-7.11	42.11	1.93	P	IN
QL04152	4,5,5,5-Tetrafluoro-2-iodo-4-(trifluoromethyl)pentan-1-ol	114810-56-9	OCC(I)CC(F)(C(F)(F)F)C(F)(F)F	-6.32	38.10	1.69	P	IN
QL04153	4,4,5,5,6,6,7,7,8,9,9,9-dodecafluoro-2-iodo-8-(trifluoromethyl)nonan-1-ol	16083-62-8	OCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-8.60	48.48	2.43	P	IN
QL04154	4,4,5,5,6,6,7,7,8,8,9,10,11,11,11-Hexadecafluoro-2-iodo-10-(trifluoromethyl)undecan-1-ol	65726-35-4	OCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.32	51.28	2.67	P	IN
QL04155	4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Pentacosafuoro-2-iodopentadecan-1-ol	80459-24-1	OCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.37	54.17	3.07	P	OUT
QL04156	4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,13-Henicosafuoro-2-iodotridecan-1-ol	38550-46-8	OCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.86	52.38	2.89	P	IN
QL04157	4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,11-Heptadecafluoro-2-iodoundecan-1-ol	38550-45-7	OCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.27	50.00	2.69	P	IN

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QL04178	Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate	70225-16-0	OCC[NH2+](CCO.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.45	30.95	2.40	P	IN
QL04179	Bis(2-hydroxyethyl)ammonium 1,1,2,2,3,3,4,4,5,5,5- undecafluoropentane-1- sulphonate	70225-17-1	OCC[NH2+](CCO.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-6.63	28.21	2.11	P	OUT
QL04180	Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate	70225-18-2	OCC[NH2+](CCO.[O-]S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-5.88	25.00	1.86	P	OUT
QL04181	4,4,5,5,6,6,7,7,7-Nonafluorohept-2- yn-1-ol	81190-31-0	OCC#CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.89	45.00	2.21	P	IN
QL04182	(2Z)-4,5,5,5-Tetrafluoro-4- (trifluoromethyl)pent-2-en-1-ol	83706-99-4	OCC=C(C(F)(C(F)(F)C(F)(F)F	-6.24	36.84	1.69	P	IN
QL04183	(2Z)-4,4,5,5,6,6,7,7,8,8,9,9- Tridecafluoronon-2-en-1-ol	83707-01-1	OCC=C(C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.54	46.43	2.46	P	IN
QL04184	(2E)-4,5,5,5-Tetrafluoro-4- (trifluoromethyl)pent-2-en-1-ol	83706-95-0	OCC=CC(F)(C(F)(F)C(F)(F)F	-6.24	36.84	1.69	P	IN
QL04185	4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11, 11-heptadecafluoroundec-2-en-1- ol	2340-84-3	OCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.26	50.00	2.68	P	IN
QL04186	4,4,5,5,6,6,7,7,8,8,9,9- Tridecafluoro-2-nonen-1-ol	38550-47-9	OCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.54	46.43	2.46	P	IN
QL04189	4,4,5,5,6,6,7,7,7-Nonafluorohept-2- en-1-ol	72016-05-8	OCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.64	40.91	2.21	P	IN
QL04190	4,4,5,5,6,6-Heptafluorohex-2-en- 1-ol	679-03-8	OCC=CC(F)(F)C(F)(F)C(F)(F)F	-6.82	36.84	1.95	P	IN
QL04192	(Perfluorocyclohexyl)methanol [4- (Heptadecafluorooctyl)phenyl]me thanol	28788-68-3	OCC1(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C1(F)F	-6.38	50.00	1.38	P	IN
QL04193	[4- (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,1 0- Heptadecafluorodecyl)phenyl]met hanol	163114-33-8	OCC1=CC=C(C=C1)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.28	42.50	2.90	P	IN
QL04194	[4- (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,1 0- Heptadecafluorodecyl)phenyl]met hanol	356055-77-1	OCC1=CC=C(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-9.37	36.96	3.09	P	IN
QL04195	4- (Perfluorohexyl)ethyl)phenylmet hanol	356055-76-0	OCC1=CC=C(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-8.63	32.50	2.88	P	OUT
QL04196	[4-(3,3,4,4,5,5,6,6,6- Nonafluorohexyl)phenyl]methanol	892154-66-4	OCC1=CC=C(CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-7.80	26.47	2.68	P	OUT
QL04197	{4-[(4,4,5,5,6,6,7,7,8,8,9,9,10,10,11, 1,11- Heptadecafluoroundecyl)oxy]phe nyl}methanol	892155-69-0	OCC1=CC=C(OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-9.49	34.00	3.23	P	OUT
QL04198	{4-[(4,4,5,5,6,6,7,7,8,8,9,9- Tridecafluorononyl)oxy]phenyl}me thanol	957206-65-4	OCC1=CC=C(OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-8.80	29.55	3.04	P	OUT
QL04199	4-[3-{Perfluorobutyl}-1- propyloxy]benzyl alcohol	892154-51-7	OCC1=CC=C(OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C=C1	-8.05	23.68	2.87	P	OUT
QL04200	{3,4,5-Tris[1,1,2-trifluoro-2- (heptafluoropropoxy)ethoxy]phen yl}methanol	1233312-87-2	OCC1cc(OC(F)(F)C(F)OC(F)(F)C(F)(F)C(F)(F)F)c(OC(F)(F)C(F)OC(F)(F)C(F)(F)F)c(OC(F)(F)C(F)OC(F)(F)C(F)(F)F)	-10.02	44.78	3.17	P	OUT
QL04201	[4-(1,1,1,2,3,3,3- Heptafluoropropan-2- yl)phenyl]methanol	1137162-24-3	OCC1ccc(cc1)C(F)(C(F)(F)C(F)(F)F	-6.71	28.00	2.15	P	OUT
QL04202	3-(Heptafluoropropyl)pentane-1,5- diol	678-93-3	CCCC(CCO)C(F)(F)C(F)(F)C(F)(F)F	-6.02	25.00	1.92	P	OUT
QL04203	2-(Heptadecafluorooctyl)butane- 1,4-diol	135440-42-5	CCCC(CO)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.81	42.50	2.69	P	IN
QL04204	2(Perfluoro-2-propyl)ethanol	90999-87-4	OCCC(C(F)(F)C(F)(F)F	-5.77	38.89	1.42	P	IN

QL04205	3,3,4,4,5,6,6-Octafluoro-5-(trifluoromethyl)hexan-1-ol	89076-11-9	OCCC(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-7.20	45.83	1.87	P	IN
QL04206	3,3,4,4,5,5,6,6,7,8,8-Dodecafluoro-7-(trifluoromethyl)octan-1-ol	20015-46-7	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-8.23	50.00	2.22	P	IN
QL04207	2-(Perfluoro-7-methyloctyl)ethanol	31200-98-3	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.02	52.78	2.50	P	IN
QL04208	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,12,12,12-Icosafluoro-11-(trifluoromethyl)dodecan-1-ol	194427-39-9	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.66	54.76	2.73	P	IN
QL04209	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,15-Heptacosafuoropentadecan-1-ol	176676-70-3	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.49	56.25	3.06	P	OUT
QL04210	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-Tricosafuorotridecan-1-ol	1545-59-1	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.00	54.76	2.88	P	OUT
QL04212	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-Nonadecafluoroundecan-1-ol	87017-97-8	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.42	52.78	2.68	P	IN
QL04213	3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-Pentadecafluorononan-1-ol	755-02-2	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.73	50.00	2.44	P	IN
QL04214	52 Fluorotelomer alcohol	185689-57-0	OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.86	45.83	2.17	P	IN
QL04216	32 Fluorotelomer alcohol	755-40-8	OCCC(F)(F)C(F)(F)C(F)(F)F	-6.73	38.89	1.85	P	IN
QL04217	22 fluorotelomer alcohol	54949-74-5	OCCC(F)(F)C(F)(F)F	-5.65	33.33	1.52	P	IN
QL04218	Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)-, dihydrogen 2-hydroxy-1,2,3-propanetricarboxylate Poly(oxy-1,2-ethanediy), alpha-hydro-omega-hydroxy-, ether with alpha-fluoro-omega-(2-hydroxyethyl)poly(difluoromethyl ene)	(11) Poly(difluoromethylene), .alpha.-fluoro-.omega.-(2-hydroxyethyl)- 65605-56-3 65545-80-4 65530-60-1	OCCC(F)(F)F	-4.82	25.00	1.38	P	OUT
QL04219	5,5,6,6,7,7,8,8,9,9,10,10,10-Tridecafluoro-3-iododecan-1-ol	16083-68-4	OCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.43	42.42	2.52	P	IN
QL04220	5,5,6,6,7,7,8,8,8-Nonafluoro-3-iodooctan-1-ol	109574-81-4	OCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.54	37.04	2.27	P	IN
QL04221	5,5,6,6,7,7,7-Heptafluoro-3-iodoheptan-1-ol	89621-93-2	OCCC(I)CC(F)(F)C(F)(F)C(F)(F)F	-7.05	33.33	2.15	P	IN
QL04222	5,5,6,6,7,7,7-Heptafluoro-4,4-bis(trifluoromethyl)heptan-1-ol	110254-90-5	OCCCC(C(F)(F)F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)F	-7.41	43.33	2.04	P	IN
QL04223	3-(Perfluoroisopropyl)propanol	29819-73-6	OCCCC(F)(C(F)(F)F)C(F)(F)F	-6.02	33.33	1.69	P	IN
QL04224	3-(Perfluorooctyl)propanol	1651-41-8	OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.09	47.22	2.68	P	IN
QL04225	73 fluorotelomer alcohol	25600-66-2	OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.59	45.45	2.51	P	IN
QL04226	3-(Perfluorohexyl)propanol	80806-68-4	OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.35	43.33	2.46	P	IN
QL04227	4,4,5,5,6,6,7,7,8,8,8-Undecafluorooctan-1-ol	1404193-88-9	OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	40.74	2.25	P	IN
QL04228	3-(Perfluorobutyl)-1-propanol	83310-97-8	OCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.43	37.50	2.21	P	IN
QL04229	3-(Perfluoropropyl)propanol	679-02-7	OCCCC(F)(F)C(F)(F)C(F)(F)F	-6.60	33.33	1.95	P	IN
QL04230	3-(Perfluoroethyl)propanol	NOCAS_869964	OCCCC(F)(F)C(F)(F)F	-5.98	27.78	1.82	P	OUT
QL04231	4,5,5,5-Tetrafluoro-4-(heptafluoropropoxy)pentan-1-ol	243128-41-8	OCCCC(F)(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)F)C(F)(F)F	-7.57	39.29	2.22	P	IN

QL04232	6,6,7,7,8,8,9,10,10,11,11,11- Tridecafluoro-4-iodoundecan-1-ol	132665-00-0	OCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04233	5,5,6,6,7,7,8,8,9,10,10,10- Tridecafluorodecan-1-ol	39239-79-7	OCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04234	44 Fluorotelomer alcohol	3792-02-7	OCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04235	5,5,6,6,7,7,7-Heptafluoroheptan-1- ol	883543-64-4	OCCCCC(F)(F)C(F)(F)C(F)(F)F
QL04236	(5E)-7,7,8,8,9,10,10,10- Nonafluoro-5-iododec-5-en-1-ol	137648-89-6	OCCCCC(I)=C/C(F)C(F)(F)C(F)(F)C(F)(F)F
QL04237	6,6,7,7,8,8,9,10,10,11,11,11- Tridecafluoroundecan-1-ol	134052-02-1	OCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04238	6,6,7,7,8,8,9,9,9-Nonafluorononan- 1-ol	219557-62-7	OCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04239	7,8,8,8-Tetrafluoro-7- (trifluoromethyl)octan-1-ol	220469-13-6	OCCCCCCC(F)(C(F)(F)C(F)(F)F
QL04240	7,7,8,8,9,10,10,11,11,12,12,13,1 4,14,14-Hexadecafluoro-13- (trifluoromethyl)tetradecan-1-ol	390410-82-9	OCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04241	7,7,8,8,9,10,10,11,12,12,13,1 3,14,14,14- heptadecafluorotetradecan-1-ol	129794-54-3	OCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04242	6-(Perfluorohexyl)hexanol	161981-35-7	OCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04243	7,7,8,8,9,10,10,10- nonafluorodecan-1-ol	181042-39-7	OCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04244	9,9,10,10,11,11,12,12,12- Nonafluoro-7-iodododecan-1-ol	172701-28-9	OCCCCCCC(I)CC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04245	9,9,10,10,11,11,12,12,12- Nonafluorododecan-1-ol	133001-14-6	OCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04246	11-(Perfluorooctyl)undec-10-enol	15364-19-9	OCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04247	12,12,13,13,14,14,15,15,16,16,17, 17,17-Tridecafluoroheptadec-10- en-1-ol	117543-54-1	OCCCCCCCCC=CC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04249	12,12,13,13,14,14,15,15,16,16,17, 17,18,18,19,19,19- Heptadecafluorononadecan-1-ol	1512-02-3	OCCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04250	12,12,13,13,14,14,15,15,16,16,17, 17,17-Tridecafluoroheptadecan-1- ol	134052-01-0	OCCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04251	12,12,13,13,14,14,15,15,15- Nonafluoropentadecan-1-ol	36096-97-6	OCCCCCCCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04252	9-[(4,4,5,5,5- Pentafluoropentyl)sulfanyl]nonan- 1-ol	511545-94-1	OCCCCCCCCSCCCC(F)(F)C(F)(F)F
QL04253	6-(2,2,3,3,4,4,4- Heptafluorobutoxy)hexan-1-ol	1207481-10-4	OCCCCCOCC(F)(F)C(F)(F)C(F)(F)F
QL04254	3-[(1,1,2,2,3,3,4,4,4- Nonafluorobutane-1- sulfonyl)propan-1-ol	762241-70-3	OCCCS(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04255	3- [(Nonafluorobutyl)sulfanyl]propan- 1-ol	875628-33-4	OCCSC(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04256	1-Propanol, 3- [(3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,1 0-heptadecafluorodecyl)thio]- Isooctanesulfonamide,	36880-07-6	OCCCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
QL04257	heptadecafluoro-N,N-bis(2- hydroxyethyl)-	93894-66-7	OCCN(CCO)[S](=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F

-8.65

38.89

2.72

P

IN

-8.25

39.39

2.52

P

IN

-7.34

33.33

2.28

P

IN

-6.84

29.17

2.17

P

OUT

-7.86

32.26

2.55

P

IN

-8.49

36.11

2.72

P

IN

-7.53

30.00

2.46

P

OUT

-6.34

23.33

2.11

P

OUT

-9.15

39.58

2.92

P

IN

-9.10

37.78

2.95

P

IN

-8.44

33.33

2.78

P

IN

-7.50

27.27

2.52

P

OUT

-7.91

25.64

2.75

P

OUT

-7.71

23.08

2.73

P

OUT

-9.51

29.31

3.37

P

OUT

-8.89

25.00

3.21

P

OUT

-9.45

28.33

3.37

P

OUT

-8.83

24.07

3.21

P

OUT

-8.13

18.75

3.04

P

OUT

-7.68

10.87

3.06

P

OUT

-7.41

20.59

2.67

P

OUT

-7.26

33.33

2.25

P

IN

-7.50

36.00

2.28

P

IN

-9.21

39.53

2.95

P

IN

-8.47

37.78

2.67

P

IN

QL04288	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=1		OCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.47	28.89	2.91	P	OUT
QL04289	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=1		OCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.97	26.19	2.76	P	OUT
QL04290	2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluoro-N-[2-(2-hydroxyethoxy)ethyl]octanamide	110388-02-8	OCCOCCNC(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.06	36.59	2.97	P	IN
QL04291	2-[2-(2,2,3,3,4,4,4-Heptafluorobutoxy)ethoxy]ethan-1-ol	54336-56-0	OCCOCCOCC(F)(F)C(F)(F)C(F)(F)F	-7.26	24.14	2.50	P	OUT
QL04292	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=2		OCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.33	29.31	3.29	P	OUT
QL04293	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=2		OCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.12	27.27	3.25	P	OUT
QL04294	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=2		OCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.72	25.00	3.14	P	OUT
QL04295	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=2		OCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.42	22.45	3.07	P	OUT
QL04296	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=3		OCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.62	26.15	3.51	P	OUT
QL04297	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=3		OCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.29	24.19	3.41	P	OUT
QL04298	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=3		OCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.04	22.03	3.36	P	OUT
QL04299	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=3		OCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.65	19.64	3.25	P	OUT
QL04300	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=4		OCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.77	23.61	3.65	P	OUT
QL04301	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=4		OCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.56	21.74	3.60	P	OUT
QL04302	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=4		OCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.23	19.70	3.51	P	OUT
QL04303	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=4		OCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.00	17.46	3.47	P	OUT
QL04304	16,16,17,17,18,18,19,19,20,20,21,21,22,22,22-Pentadecafluoro-3,6,9,12,15-pentaaxadocosan-1-ol	93704-25-7	OCCOCCOCCOCCOCCOC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.58	25.42	3.51	P	OUT
QL04305	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=5		OCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.01	21.52	3.81	P	OUT
QL04306	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=5		OCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.72	19.74	3.73	P	OUT
QL04307	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=5		OCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.52	17.81	3.70	P	OUT

QL04308	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=5	OCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.21	15.71	3.61	P	OUT
QL04309	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=6	OCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.15	19.77	3.92	P	OUT
QL04310	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=6	OCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.97	18.07	3.89	P	OUT
QL04311	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=6	OCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.70	16.25	3.82	P	OUT
QL04312	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=6	OCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.51	14.29	3.79	P	OUT
QL04313	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=7	OCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.37	18.28	4.07	P	OUT
QL04314	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=7	OCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.13	16.67	4.00	P	OUT
QL04315	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=7	OCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.96	14.94	3.97	P	OUT
QL04316	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=7	OCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.70	13.10	3.91	P	OUT
QL04317	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=8	OCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.51	17.00	4.16	P	OUT
QL04318	N-ethyl perfluoroheptanesulfonamido polyethylene glycol, n=7, m=8	OCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.36	15.46	4.14	P	OUT
QL04319	N-ethyl perfluorohexanesulfonamido polyethylene glycol, n=6, m=8	OCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.12	13.83	4.08	P	OUT
QL04320	N-ethyl perfluoropentanesulfonamido polyethylene glycol, n=5, m=8	OCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.97	12.09	4.06	P	OUT
QL04321	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=9	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.71	15.89	4.29	P	OUT
QL04322	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=10	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-10.84	14.91	4.37	P	OUT
QL04323	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=11	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.03	14.05	4.48	P	OUT
QL04324	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=12	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.14	13.28	4.55	P	OUT
QL04325	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=13	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.32	12.59	4.65	P	OUT
QL04326	N-ethyl perfluorooctanesulfonamido polyethylene glycol, n=8, m=14	OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCN(CC)S(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-11.43	11.97	4.72	P	OUT
QL04327	2-(3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulfinyl)ethan-1-ol	917966-97-3 OCCS(=O)CCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.55	31.03	2.44	P	IN

[illegible]

QL04348	1,3-Propanediol, 2,2-bis[[[gamma-omega-perfluoro-C6-12-alkyl]thio]methyl] derivs., phosphates, ammonium salts	148240-87-3	OP(O)(=O)OCC(COP(O)(O)=O)(CSCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)CSCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.91	26.87	3.17	P	OUT
QL04349	72 Fluorotelomer dihydrogen phosphate	37013-72-2	OP(O)(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.82	42.86	2.68	P	IN
QL04350	Heptadecafluorooctane-2-sulfonic acid	927670-12-0	OS(=O)(=O)C(F)(C(F)(F)F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.60	56.67	2.20	P	IN
QL04351	Perfluoro-2-(trifluoromethyl)propanesulphonic acid	93762-09-5	OS(=O)(=O)C(F)(F)C(F)(C(F)(F)F)C(F)(F)F	-6.37	50.00	1.38	P	IN
QL04354	Perfluoro(2-ethoxyethane)sulfonic acid	113507-82-7	OS(=O)(=O)C(F)(F)C(F)(F)OC(F)(F)C(F)(F)F	-7.34	47.37	1.89	P	IN
QL04355	1,1,2,2-Tetrafluoroethanesulfonic acid	464-14-2	OS(=O)(=O)C(F)(F)C(F)F	-5.30	33.33	1.36	P	IN
QL04356	4-[(Nonadecafluorodecenyloxy)benzenesulfonic acid, sodium salt	64910-98-1	OS(=O)(=O)C1=CC=C(OC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)=C(F)F)C=C1	-9.72	42.22	3.11	P	IN
QL04357	Potassium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafuorododecyl sulfate 1H,1H,2H,2H-Perfluorododecanol sulfate ammonium salt	1262446-14-9 63225-58-1	OS(=O)(=O)OCCC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.74	48.84	2.93	P	IN
QL04358	Potassium 1,1,2,2-tetrafluoro-2-[(1,1,1,2,3,3-hexafluoro-3-(pentafluoroethoxy)propan-2-yl)oxy]ethane-1-sulfonate Ammonium 1,1,2,2-tetrafluoro-2-[(1,1,1,2,3,3-hexafluoro-3-(pentafluoroethoxy)propan-2-yl)oxy]ethane-1-sulfonate	70755-50-9 93644-65-6	OS(=O)(C(F)(C(F)(OC(C(F)(F)F)(C(F)(OC(C(F)(F)F)F)F)F)F)F)=O	-8.80	51.72	2.43	P	IN
QL04359	Potassium perfluoro-p-ethylcyclohexanesulfonate	335-24-0	OS(=O)(C1(C(F)(C(F)(C(C(F)(C(F)F)F)F)F)C(F)(C1(F)F)F)F)F)=O	-8.45	53.57	2.22	P	IN
QL04360	4-(Perfluorononyl)oxybenzenesulfonate sodium	91998-13-9	OS(=O)(C1=CC=C(C=C1)OC(F)(C(F)(C(F)(C(F)(C(F)(C(F)(C(F)(C(F)(F)F)F)F)F)F)F)=O	-9.71	43.18	3.07	P	IN
QL04361	Sodium 5,5,6,6,7,7,8,8,8-nonafluorooctane-1-sulfonate Potassium 5,5,6,6,7,7,8,8,8-nonafluorooctane-1-sulfonate Lithium 5,5,6,6,7,7,8,8,8-nonafluorooctane-1-sulfonate	65345-91-7 1604816-60-5 1604816-75-2	OS(=O)(CCCCC(F)(C(F)(C(F)(C(F)F)F)F)F)=O	-7.43	30.00	2.42	P	OUT
QL04362	Potassium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl sulfate 1H,1H,2H,2H-Perfluorodecanol sulfate ammonium salt	1262446-13-8 63225-57-0	OS(=O)(OCCC(F)(C(F)(C(F)(C(F)(C(F)(C(F)(C(F)(F)F)F)F)F)F)F)=O	-9.12	45.95	2.73	P	IN
QL04363	Tris(2,2,3,3,4,4,5,5-octafluoropentyl) phosphate	355-86-2	P(=O)(OCC(C(C(C(F)F)F)F)F)F)(OCC(C(C(C(F)F)F)F)F)F)OCC(C(C(C(F)F)F)F)F)F	-9.15	45.28	2.76	P	IN
QL04364	Cl-substituted perfluoroalkyl (linear) sulfonic acids_i, n=6		S(=O)(O)(=O)C(F)(Cl)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.61	55.56	2.24	P	IN
QL04365	Cl-substituted perfluoroalkyl (linear) sulfonic acids_i, n=4		S(=O)(O)(=O)C(F)(Cl)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.66	52.38	1.90	P	IN
QL04366	Cl-substituted perfluoroalkyl (linear) sulfonic acids_i, n=3		S(=O)(O)(=O)C(F)(Cl)C(F)(F)C(F)(F)C(F)(F)F	-7.28	50.00	1.79	P	IN

QL04395	N-methyl perfluoropentane sulfonamido acetic acid, n=5	159381-10-9	<chem>S(N(C)CC(O)=O)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.86	35.48	2.45	P	IN
QL04396	N-methyl perfluorobutane sulfonamido acetic acid, n=4		<chem>S(N(C)CC(O)=O)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.18	32.14	2.24	P	IN
QL04397	N-methyl perfluoropropane sulfonamido acetic acid, n=3		<chem>S(N(C)CC(O)=O)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.79	28.00	2.18	P	OUT
QL04398	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=8		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.64	30.91	2.94	P	OUT
QL04399	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=7		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.42	28.85	2.89	P	OUT
QL04400	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=6		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.94	26.53	2.74	P	OUT
QL04401	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=5		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.68	23.91	2.70	P	OUT
QL04402	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=4		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.10	20.93	2.52	P	OUT
QL04403	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=3		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.73	17.50	2.45	P	OUT
QL04404	N-methyl perfluoroalkanesulfonamido quaternary ammonium, n=2		<chem>S(N(C)CCC[N+](C)(C)C)(=O)=O)C(F)(F)C(F)(F)F</chem>	-6.01	13.51	2.23	P	OUT
QL04405	perfluoroalkanesulfonamido sulfonate betaine D, n=6		<chem>S(N(C)CCC[N+](CCCS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.47	22.03	3.11	P	OUT
QL04406	perfluoroalkanesulfonamido sulfonate betaine D, n=5		<chem>S(N(C)CCC[N+](CCCS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.17	19.64	3.04	P	OUT
QL04407	perfluoroalkanesulfonamido sulfonate betaine D, n=4		<chem>S(N(C)CCC[N+](CCCS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.70	16.98	2.90	P	OUT
QL04408	perfluoroalkanesulfonamido sulfonate betaine D, n=3		<chem>S(N(C)CCC[N+](CCCS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.38	14.00	2.84	P	OUT
QL04409	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=6		<chem>S(N(CC(O)=O)CCC[N+](CC(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.21	23.64	2.94	P	OUT
QL04410	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=5		<chem>S(N(CC(O)=O)CCC[N+](CC(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.92	21.15	2.88	P	OUT
QL04411	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=4		<chem>S(N(CC(O)=O)CCC[N+](CC(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.41	18.37	2.73	P	OUT
QL04412	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate A, n=3		<chem>S(N(CC(O)=O)CCC[N+](CC(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.91	15.22	2.59	P	OUT
QL04413	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n=6		<chem>S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.38	20.63	3.10	P	OUT
QL04414	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n=5		<chem>S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.00	18.33	3.00	P	OUT
QL04415	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n=4		<chem>S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.56	15.79	2.87	P	OUT
QL04416	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate B, n=3		<chem>S(N(CC(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.23	12.96	2.80	P	OUT
QL04417	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n=6		<chem>S(N(CC(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C)(=O)=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.39	20.97	3.10	P	OUT

QL04418	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n=5	<chem>S(N(CC(O)=O)CCC[N+](CCCC(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.02	18.64	3.00	P	OUT
QL04419	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n=4	<chem>S(N(CC(O)=O)CCC[N+](CCCC(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.58	16.07	2.87	P	OUT
QL04420	perfluoroalkanesulfonamido quaternary ammonium sulfonate carboxylate A, n=3	<chem>S(N(CC(O)=O)CCC[N+](CCCC(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.29	13.21	2.82	P	OUT
QL04421	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=6	<chem>S(N(CC(O)CS(=O)(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.20	18.31	3.09	P	OUT
QL04422	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=5	<chem>S(N(CC(O)CS(=O)(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.82	16.18	2.98	P	OUT
QL04423	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=4	<chem>S(N(CC(O)CS(=O)(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.42	13.85	2.86	P	OUT
QL04424	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=3	<chem>S(N(CC(O)CS(=O)(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.02	11.29	2.75	P	OUT
QL04425	perfluoroalkanesulfonamido quaternary ammonium disulfonate B, n=2	<chem>S(N(CC(O)CS(=O)(O)=O)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.96	8.47	2.80	P	OUT
QL04426	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=6	<chem>S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.91	20.31	2.90	P	OUT
QL04427	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=5	<chem>S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.61	18.03	2.83	P	OUT
QL04428	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=4	<chem>S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.17	15.52	2.70	P	OUT
QL04429	perfluoroalkanesulfonamido quaternary diol sulfonic acid, n=3	<chem>S(N(CC(O)CS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.73	12.73	2.58	P	OUT
QL04430	N-ethyl perfluorodecane sulfonamido acetic acid, n=10	<chem>S(N(CC)CC(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-9.40	42.86	2.95	P	IN
QL04431	N-ethyl perfluorononane sulfonamido acetic acid, n=9	<chem>S(N(CC)CC(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-9.20	41.30	2.90	P	IN
QL04432	N-ethyl perfluoropropane sulfonamido acetic acid, n=3	<chem>S(N(CC)CC(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.60	25.00	2.18	P	OUT
QL04433	N-ethyl perfluoroethane sulfonamido acetic acid, n=2	<chem>S(N(CC)CC(O)=O)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-5.72	20.00	1.92	P	OUT
QL04434	perfluoroalkanesulfonamido betaine C, n =6	<chem>S(N(CC)CCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.42	22.41	3.07	P	OUT
QL04435	perfluoroalkanesulfonamido betaine C, n =5	<chem>S(N(CC)CCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.97	20.00	2.94	P	OUT
QL04436	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=6	<chem>S(N(CCC(=O)O)CCC[N+](C)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.78	23.64	2.75	P	OUT
QL04437	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=5	<chem>S(N(CCC(=O)O)CCC[N+](C)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.50	21.15	2.69	P	OUT
QL04438	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=4	<chem>S(N(CCC(=O)O)CCC[N+](C)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.94	18.37	2.52	P	OUT
QL04439	perfluoroalkanesulfonamido quaternary ammonium carboxylic acid, n=3	<chem>S(N(CCC(=O)O)CCC[N+](C)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.55	15.22	2.43	P	OUT

QL04440	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=6	<chem>S(N(CCC(O)=O)CCC[N+](CC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.14	22.41	2.95	P	OUT
QL04441	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=5	<chem>S(N(CCC(O)=O)CCC[N+](CC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.85	20.00	2.88	P	OUT
QL04442	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate B, n=4	<chem>S(N(CCC(O)=O)CCC[N+](CC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.28	17.31	2.70	P	OUT
QL04443	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=6	<chem>S(N(CCC(O)=O)CCC[N+](CCC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.34	21.31	3.06	P	OUT
QL04444	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=5	<chem>S(N(CCC(O)=O)CCC[N+](CCC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.83	18.97	2.90	P	OUT
QL04445	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=4	<chem>S(N(CCC(O)=O)CCC[N+](CCC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.50	16.36	2.83	P	OUT
QL04446	perfluoroalkanesulfonamido quaternary ammonium dicarboxylate C, n=3	<chem>S(N(CCC(O)=O)CCC[N+](CCC(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.97	13.46	2.67	P	OUT
QL04447	perfluorooctanesulfonamido amine carboxylic acid B, n=8	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.60	29.82	2.95	P	OUT
QL04448	perfluoroheptanesulfonamido amine carboxylic acid B, n=7	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.37	27.78	2.90	P	OUT
QL04449	perfluorohexanesulfonamido amine carboxylic acid B, n=6	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.90	25.49	2.75	P	OUT
QL04450	perfluoropentanesulfonamido amine carboxylic acid B, n=5	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.62	22.92	2.70	P	OUT
QL04451	perfluorobutanesulfonamido amine carboxylic acid B, n=4	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.05	20.00	2.52	P	OUT
QL04452	perfluoropropanesulfonamido amine carboxylic acid B, n=3	<chem>S(N(CCC(O)=O)CCCN(C)C(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.66	16.67	2.44	P	OUT
QL04453	perfluorohexanesulfonamido amine sulfonic acid, n=6	<chem>S(N(CCCS(=O)(O)=O)C(CO)CCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.63	22.03	2.73	P	OUT
QL04454	perfluoropentanesulfonamido amine sulfonic acid, n=5	<chem>S(N(CCCS(=O)(O)=O)C(CO)CCN(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.35	19.64	2.67	P	OUT
QL04455	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=8	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.80	22.67	3.24	P	OUT
QL04456	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=7	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.57	20.83	3.18	P	OUT
QL04457	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=6	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.22	18.84	3.08	P	OUT
QL04458	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=5	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.91	16.67	3.00	P	OUT
QL04459	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=4	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.46	14.29	2.86	P	OUT
QL04460	perfluoroalkanesulfonamido quaternary ammonium disulfonate A, n=3	<chem>S(N(CCCS(=O)(O)=O)CCC[N+](CCCS(=O)(O)=O)(C)C(=O)(=O)C(F)(F)C(F)(F)F</chem>	-7.07	11.67	2.76	P	OUT
QL04461	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=6	<chem>S(N(CCCS(O)=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.05	18.31	3.02	P	OUT
QL04462	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=5	<chem>S(N(CCCS(O)=O)=O)C(CO)CC[N+](CC(CO)O)(C)C(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.70	16.18	2.92	P	OUT

QL04463	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=4	<chem>S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.38	13.85	2.84	P	OUT
QL04464	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=3	<chem>S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.91	11.29	2.70	P	OUT
QL04465	perfluoroalkanesulfonamido quaternary ammonium triol sulfonic acid, n=2	<chem>S(N(CCCS(O)(=O)=O)C(CO)CC[N+](CC(CO)O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.76	8.47	2.71	P	OUT
QL04466	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=8	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.58	24.64	3.08	P	OUT
QL04467	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=7	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.36	22.73	3.04	P	OUT
QL04468	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=6	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.93	20.63	2.90	P	OUT
QL04469	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=5	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.64	18.33	2.83	P	OUT
QL04470	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=4	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.19	15.79	2.70	P	OUT
QL04471	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=3	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-6.78	12.96	2.60	P	OUT
QL04472	perfluoroalkanesulfonamido quaternary ammonium alcohol sulfonic acid, n=2	<chem>S(N(CCCS(O)(=O)=O)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.64	9.80	2.62	P	OUT
QL04473	perfluoroalkanesulfonamido sulfonate betaine E, n=6	<chem>S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.37	20.31	3.11	P	OUT
QL04474	perfluoroalkanesulfonamido sulfonate betaine E, n=5	<chem>S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.03	18.03	3.02	P	OUT
QL04475	perfluoroalkanesulfonamido sulfonate betaine E, n=4	<chem>S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.56	15.52	2.88	P	OUT
QL04476	perfluoroalkanesulfonamido sulfonate betaine E, n=3	<chem>S(N(CCO)CCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-7.26	12.73	2.82	P	OUT
QL04477	perfluoroalkanesulfonamido quaternary ammonium diol B, n=8	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.80	26.98	3.12	P	OUT
QL04478	perfluoroalkanesulfonamido quaternary ammonium diol B, n=7	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.60	25.00	3.08	P	OUT
QL04479	perfluoroalkanesulfonamido quaternary ammonium diol B, n=6	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.17	22.81	2.95	P	OUT
QL04480	perfluoroalkanesulfonamido quaternary ammonium diol B, n=5	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.89	20.37	2.89	P	OUT
QL04481	perfluoroalkanesulfonamido quaternary ammonium diol B, n=4	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>	-7.38	17.65	2.74	P	OUT
QL04482	perfluoroalkanesulfonamido quaternary ammonium diol B, n=3	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.94	14.58	2.62	P	OUT
QL04483	perfluoroalkanesulfonamido quaternary ammonium diol B, n=2	<chem>S(N(CCO)CCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)F</chem>	-6.31	11.11	2.44	P	OUT
QL04484	perfluorohexanesulfonamido amine carboxylic acid A, n=6	<chem>S(NC(C(O)=O)CCN(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>	-8.09	28.89	2.74	P	OUT

QL04485	perfluoropentanesulfonamido amine carboxylic acid A, n=5	S(NC(C(O)=O)CCN(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.82	26.19	2.69	P	OUT
QL04486	perfluorobutanesulfonamido amine carboxylic acid A, n=4	S(NC(C(O)=O)CCN(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.23	23.08	2.52	P	OUT
QL04487	perfluoroalkanesulfonamido quaternary ammonium triol, n=6	S(NC(CO)CC[N+](CC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.37	22.41	3.05	P	OUT
QL04488	perfluoroalkanesulfonamido quaternary ammonium triol, n=5	S(NC(CO)CC[N+](CC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.97	20.00	2.94	P	OUT
QL04489	perfluoroalkanesulfonamido quaternary ammonium triol, n=4	S(NC(CO)CC[N+](CC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.69	17.31	2.89	P	OUT
QL04490	perfluoroalkanesulfonamido quaternary ammonium triol, n=3	S(NC(CO)CC[N+](CC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.16	14.29	2.73	P	OUT
QL04491	perfluoroalkanesulfonamido quaternary ammonium diol A, n=6	S(NCC(O)C[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.34	25.49	2.95	P	OUT
QL04492	perfluoroalkanesulfonamido quaternary ammonium diol A, n=5	S(NCC(O)C[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.00	22.92	2.87	P	OUT
QL04493	perfluoroalkanesulfonamido quaternary ammonium diol A, n=4	S(NCC(O)C[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.47	20.00	2.71	P	OUT
QL04494	perfluoroalkanesulfonamido quaternary ammonium oxide, n=9	S(NCCC[N+](([O-])(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.28	36.54	3.07	P	IN
QL04495	perfluoroalkanesulfonamido quaternary ammonium oxide, n=7	S(NCCC[N+](([O-])(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.65	32.61	2.89	P	OUT
QL04496	perfluoroalkanesulfonamido quaternary ammonium oxide, n=6	30295-56-8 S(NCCC[N+](([O-])(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.16	30.23	2.74	P	OUT
QL04497	perfluoroalkanesulfonamido quaternary ammonium oxide, n=5	S(NCCC[N+](([O-])(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.91	27.50	2.70	P	OUT
QL04498	perfluoroalkanesulfonamido quaternary ammonium oxide, n=4	S(NCCC[N+](([O-])(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.32	24.32	2.52	P	OUT
QL04499	perfluoroalkanesulfonamido quaternary ammonium, n=3	S(NCCC[N+](C)(C)C)(=O)(=O)C(F)(F)C(F)(F)F	-6.75	18.92	2.42	P	OUT
QL04500	perfluoroalkanesulfonamido betaine A, n =6	S(NCCC[N+](CC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.40	26.53	2.95	P	OUT
QL04501	perfluoroalkanesulfonamido betaine A, n =5	S(NCCC[N+](CC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.06	23.91	2.87	P	OUT
QL04502	perfluoroalkanesulfonamido betaine A, n =4	S(NCCC[N+](CC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.53	20.93	2.71	P	OUT
QL04503	perfluoroalkanesulfonamido betaine A, n =3	S(NCCC[N+](CC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F	-7.12	17.50	2.62	P	OUT
QL04504	perfluoroalkanesulfonamido sulfonate betaine B, n=9	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.50	28.79	3.38	P	OUT
QL04505	perfluoroalkanesulfonamido sulfonate betaine B, n=8	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.15	26.98	3.27	P	OUT
QL04506	perfluoroalkanesulfonamido sulfonate betaine B, n=7	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.88	25.00	3.21	P	OUT
QL04507	perfluoroalkanesulfonamido sulfonate betaine B, n=6	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-8.47	22.81	3.08	P	OUT
QL04508	perfluoroalkanesulfonamido sulfonate betaine B, n=5	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F	-8.16	20.37	3.01	P	OUT
QL04509	perfluoroalkanesulfonamido sulfonate betaine B, n=4	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)F	-7.68	17.65	2.87	P	OUT

QL04510	perfluoroalkanesulfonamido sulfonate betaine B, n=3	S(NCCC[N+](CC(O)CS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.42	14.58	2.84	P	OUT
QL04511	perfluoroalkanesulfonamido betaine B, n=6	S(NCCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.54	25.00	3.05	P	OUT
QL04512	perfluoroalkanesulfonamido betaine B, n=5	S(NCCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.08	22.45	2.92	P	OUT
QL04513	perfluoroalkanesulfonamido betaine B, n=4	S(NCCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.73	19.57	2.84	P	OUT
QL04514	perfluoroalkanesulfonamido betaine B, n=3	S(NCCC[N+](CCC(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.17	16.28	2.68	P	OUT
QL04515	perfluoroalkanesulfonamido quaternary ammonium diol C, n=6	S(NCCC[N+](CCC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.50	22.81	3.10	P	OUT
QL04516	perfluoroalkanesulfonamido quaternary ammonium diol C, n=5	S(NCCC[N+](CCC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.19	20.37	3.03	P	OUT
QL04517	perfluoroalkanesulfonamido quaternary ammonium diol C, n=4	S(NCCC[N+](CCC(O)CO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.72	17.65	2.89	P	OUT
QL04518	perfluoroalkanesulfonamido sulfonate betaine A, n=8	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.17	27.42	3.27	P	OUT
QL04519	perfluoroalkanesulfonamido sulfonate betaine A, n=7	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.91	25.42	3.21	P	OUT
QL04520	perfluoroalkanesulfonamido sulfonate betaine A, n=6	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.50	23.21	3.09	P	OUT
QL04521	perfluoroalkanesulfonamido sulfonate betaine A, n=5	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.19	20.75	3.01	P	OUT
QL04522	perfluoroalkanesulfonamido sulfonate betaine A, n=4	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.71	18.00	2.87	P	OUT
QL04523	perfluoroalkanesulfonamido sulfonate betaine A, n=3	S(NCCC[N+](CCCS(=O)(O)=O)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.46	14.89	2.85	P	OUT
QL04524	perfluoroalkanesulfonamido sulfonate betaine C, n=6	S(NCCC[N+](CCCS(=O)(O)=O)(C)CCO)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.40	21.67	3.08	P	OUT
QL04525	perfluoroalkanesulfonamido sulfonate betaine C, n=5	S(NCCC[N+](CCCS(=O)(O)=O)(C)CCO)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.09	19.30	3.01	P	OUT
QL04526	perfluoroalkanesulfonamido sulfonate betaine C, n=4	S(NCCC[N+](CCCS(=O)(O)=O)(C)CCO)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.61	16.67	2.87	P	OUT
QL04527	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=8	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-9.01	30.36	3.12	P	OUT
QL04528	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=7	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.81	28.30	3.09	P	OUT
QL04529	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=6	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.38	26.00	2.95	P	OUT
QL04530	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=5	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.04	23.40	2.87	P	OUT
QL04531	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=4	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-7.52	20.45	2.72	P	OUT
QL04532	perfluoroalkanesulfonamido quaternary ammonium alcohol, n=3	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-7.11	17.07	2.63	P	OUT
QL04533	perfluoropropanesulfonamido amine, n=2	S(NCCC[N+](CCO)(C)C)(=O)(=O)C(F)(F)C(F)(F)F	-6.46	13.16	2.45	P	OUT
QL04534	perfluoropropanesulfonamido amine, n=3	S(NCCCN(C)C)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F	-6.95	21.21	2.44	P	OUT
QL04535	perfluoropropanesulfonamido sulfonic acid, n=6	S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F	-8.41	34.21	2.74	P	IN

QL04536	perfluoropropanesulfonamido sulfonic acid, n=5	<chem>S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>		-8.15	31.43	2.70	P	OUT
QL04537	perfluoropropanesulfonamido sulfonic acid, n=4	<chem>S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F</chem>		-7.55	28.13	2.52	P	OUT
QL04538	perfluoropropanesulfonamido	<chem>S(NCCCS(=O)(O)=O)(=O)(=O)C(F)(F)C(F)(F)C(F)(F)F</chem>		-7.07	24.14	2.42	P	OUT