

Molecule name	Refractivity exp	Refractivity calc	Deviation	Dev. in %
1,2-Bis(dipentylborinoxy)ethane	116.12	116.10	0.02	0.02
1,3,5-Tributylborazine	79.59	79.86	-0.27	-0.34
1,3,5-Triethylborazine	52.48	52.08	0.40	0.76
1,3-Bis(dibutoxyboryl)propane	104.73	104.83	-0.10	-0.10
1,3-Bis(dichloroboryl)propane	44.12	44.25	-0.13	-0.29
1,3-Bis(dimethoxyboryl)propane	48.96	49.15	-0.19	-0.39
1,4-Bis(dichloroboryl)butane	48.79	48.88	-0.09	-0.18
1,4-Bis(diethoxyboryl)butane	73.12	72.42	0.70	0.96
1,5-Bis(diethoxyboryl)pentane	77.13	77.05	0.08	0.10
1,6-Bis(diethoxyboryl)hexane	81.81	81.68	0.13	0.16
2-Butoxy-2-bora-1,3-dioxacyclopentane	37.13	36.61	0.52	1.40
2-Tolyl 3-tolyl propoxyborine	82.11	81.86	0.25	0.30
2-Tolyl 4-tolyl propoxyborine	82.26	81.86	0.40	0.49
2-Tolyl dibutoxyborine	76.18	76.43	-0.25	-0.33
2-Tolyl diethoxyborine	57.69	57.91	-0.22	-0.38
2-Tolyl dimethoxyborine	48.14	48.59	-0.45	-0.93
2-Tolyl dipropoxyborine	66.97	67.17	-0.20	-0.30
3-Tolyl dibutoxyborine	76.48	76.43	0.05	0.07
3-Tolyl diethoxyborine	58.08	57.91	0.17	0.29
3-Tolyl dimethoxyborine	48.38	48.59	-0.21	-0.43
3-Tolyl dipropoxyborine	67.26	67.17	0.09	0.13
4-Tolyl dibutoxyborine	76.67	76.43	0.24	0.31
4-Tolyl diethoxyborine	58.04	57.91	0.13	0.22
4-Tolyl dimethoxyborine	48.49	48.59	-0.10	-0.21
4-Tolyl dipropoxyborine	67.42	67.17	0.25	0.37
Bis(2-tolyl)-N-ethylaminoborane	79.12	78.87	0.25	0.32
Bis(2-tolyl)-N-isobutylaminoborane	88.08	88.09	-0.01	-0.01
Bis(2-tolyl)-N-methylaminoborane	74.00	74.28	-0.28	-0.38
Bis(allylamino)borane	40.89	41.33	-0.44	-1.08
Bis(butylamino)borane	51.24	51.21	0.03	0.06
Bis(butylthio) 2-(diethylmethylsilyl)ethyl borane	101.77	102.28	-0.51	-0.50
Bis(butylthio) hexyl borane	88.58	88.16	0.42	0.47
Bis(butylthio) octyl borane	98.30	97.42	0.88	0.90
Bis(butylthio)borane	60.17	60.27	-0.10	-0.17
Bis(diallylamino)borane	67.84	68.71	-0.87	-1.28
Bis(diethylamino)borane	51.54	51.43	0.11	0.21
Bis(di-isoamylamino)borane	107.11	106.83	0.28	0.26
Bis(diisobutylamino)borane	88.26	88.31	-0.05	-0.06
Bis(ethylthio) butylborane	60.19	60.38	-0.19	-0.32

Bis(ethylthio) isobutylborane	60.30	60.34	-0.04	-0.07
Bis(ethylthio) isopropylborane	55.34	55.77	-0.43	-0.78
Bis(ethylthio) octyl borane	78.77	78.90	-0.13	-0.17
Bis(ethylthio) propylborane	55.66	55.75	-0.09	-0.16
Bis(ethylthio)borane	41.16	41.75	-0.59	-1.43
Bis(isobutyl) cyclohexylboronate	72.44	72.12	0.32	0.44
Bis(isopropylthio)borane	51.08	50.99	0.09	0.18
Bis(propylthio)borane	50.77	51.01	-0.24	-0.47
Bis(t-butylthio)borane	61.77	61.01	0.76	1.23
Bromo butylthio isopentylborane	64.00	63.96	0.04	0.06
Bromo ethylthio isopentylborane	54.51	54.70	-0.19	-0.35
Bromo ethylthio isopropylborane	45.04	45.50	-0.46	-1.02
Bromo ethylthio phenylborane	57.27	56.67	0.60	1.05
Butoxy chloro phenylborine	56.56	56.22	0.34	0.60
Butyl butoxy chloroborine	49.43	49.66	-0.23	-0.47
Butyl dibutoxyborine	64.87	65.06	-0.19	-0.29
Butylphenylboronic acid	50.06	50.81	-0.75	-1.50
Butylthiodiethylborane	52.20	52.20	0.00	0.00
Chloro 2-octoxy phenylborine	74.42	74.75	-0.33	-0.44
Chloro di(1,2,2-trimethylpropoxy)borine	69.31	69.36	-0.05	-0.07
Chloro di(2-octoxy)borine	87.34	87.92	-0.58	-0.66
Chloro di(sec-butoxy)borine	50.69	50.88	-0.19	-0.37
Chloro dibutoxyborine	51.03	50.86	0.17	0.33
Chloro diisobutoxyborine	50.35	50.78	-0.43	-0.85
Chloro dineopentoxyborine	60.34	60.08	0.26	0.43
Chloro dioctoxyborine	88.29	87.90	0.39	0.44
Chloro dipropoxyborine	41.83	41.60	0.23	0.55
Cyclohexyldichloroborane	41.98	41.91	0.07	0.17
Dibutoxy 2-hydroxyethoxy borine	59.48	58.68	0.80	1.34
Dibutylboronic anhydride	86.44	87.19	-0.75	-0.87
Dibutylbutylaminoborane	65.68	65.39	0.29	0.44
Dibutylethylthioborane	61.49	61.46	0.03	0.05
Dibutylphenylaminoborane	72.53	72.57	-0.04	-0.06
Dibutylphenylthioborane	76.46	76.82	-0.36	-0.47
Dichloro 4-chlorobutoxyborine	40.73	40.65	0.08	0.20
Dichloro butoxyborine	36.03	35.85	0.18	0.50
Dichloro isobutoxyborine	36.55	35.81	0.74	2.02
Dichloro neopentoxyborine	40.51	40.46	0.05	0.12
Dichloro octoxyborine	53.85	54.37	-0.52	-0.97
Dichloro propoxyborine	30.62	31.22	-0.60	-1.96
Diisoamylbutylthioborane	79.99	79.90	0.09	0.11
Diisobutylboronic anhydride	87.73	87.03	0.70	0.80

Diisobutylbutylthioborane	71.06	70.64	0.42	0.59
Diisopentylboronic anhydride	105.56	105.55	0.01	0.01
Diisopropylboronic anhydride	68.78	68.75	0.03	0.04
Dioctyl butoxyborine	100.02	100.79	-0.77	-0.77
Dipropylbutylthioborane	61.51	61.46	0.05	0.08
Dipropylethylthioborane	52.48	52.20	0.28	0.53
Dipropylisobutylaminoborane	55.99	56.09	-0.10	-0.18
Dipropylphenylaminoborane	63.31	63.31	0.00	0.00
Dipropylphenylthioborane	67.67	67.56	0.11	0.16
Ethyl phenyl butoxyborine	61.09	61.05	0.04	0.07
Ethylphenylboronic acid	42.13	41.55	0.58	1.38
Ethylphenylboronic anhydride	82.57	81.79	0.78	0.94
Ethylthio dioctyl borane	98.03	98.50	-0.47	-0.48
Ethylthiodiethylborane	42.82	42.94	-0.12	-0.28
Hexyldichloroborane	44.07	44.03	0.04	0.09
Isobutyl cyclohexylchloroboronate	56.96	56.76	0.20	0.35
o-Tolylamino(diethylamino)borane	63.48	63.31	0.17	0.27
Pentyldichloroborane	39.49	39.40	0.09	0.23
Phenyl 2-tolyl propoxyborine	77.12	77.05	0.07	0.09
Phenyl di(sec-butoxy)borine	71.45	71.64	-0.19	-0.27
Phenyl di(sec-octoxy)borine	108.55	108.68	-0.13	-0.12
Phenyl dibutoxyborine	71.32	71.62	-0.30	-0.42
Phenyl diethoxyborine	52.87	53.10	-0.23	-0.44
Phenyl diisobutoxyborine	71.44	71.54	-0.10	-0.14
Phenyl dimethoxyborine	43.45	43.78	-0.33	-0.76
Phenyl dipropoxyborine	62.40	62.36	0.04	0.06
Phenylamino(diethylamino)borane	58.85	58.50	0.35	0.59
Phenylboron dichloride	41.64	41.33	0.31	0.74
Phenylpropylboronic acid	46.40	46.18	0.22	0.47
Phenylpropylboronic anhydride	90.30	91.05	-0.75	-0.83
Tri(1,2,2-trimethylpropoxy)borine	93.61	94.28	-0.67	-0.72
Tri(1,3-dichloro-2-propoxy)borine	81.12	81.47	-0.35	-0.43
Tri(1-chloroethoxy)borine	52.99	53.51	-0.52	-0.98
Tri(1-ethoxycarbonylethoxy)borine	85.93	85.70	0.23	0.27
Tri(1-methoxyethoxy)borine	57.42	57.14	0.28	0.49
Tri(2-ethoxycarbonylethoxy)borine	84.97	85.67	-0.70	-0.82
Tri(2-pentoxy)borine	80.11	80.45	-0.34	-0.42
Tri(butylthio)borane	87.47	87.36	0.11	0.13
Tri(ethoxycarbonylmethoxy)borine	71.14	71.78	-0.64	-0.90
Tri(propylthio)borane	73.47	73.47	0.00	0.00
Tri(t-butoxy)borine	66.77	66.38	0.39	0.58
Tributyl borate	66.65	66.53	0.12	0.18

Tridecyl borate	149.41	149.87	-0.46	-0.31
Triethyl borate	38.69	38.75	-0.06	-0.16
Triethylborane	33.72	34.51	-0.79	-2.34
Triheptyl borate	109.18	108.20	0.98	0.90
Triisobutylborane	62.31	62.17	0.14	0.22
Triisopentoxyborine	80.14	80.30	-0.16	-0.20
Triisopentylborane	76.54	76.06	0.48	0.63
Triisopropyl borate	52.52	52.67	-0.15	-0.29
Trimethoxyborine	24.86	24.77	0.09	0.36
Trioctyl borate	122.30	122.09	0.21	0.17
Tripentoxyborine	80.42	80.42	0.00	0.00
Tripropyl borate	52.55	52.64	-0.09	-0.17
Tripropylborane	48.54	48.40	0.14	0.29
Tris(ethylthio)borane	59.41	59.58	-0.17	-0.29