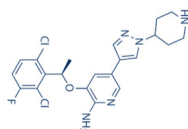


Table S1. Compounds against TBEV, WNV, YFV and CHIKV.

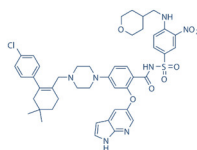
Pathway	Molecular Name	Chemical Structure	Target
RTK (FLT3 EGFR Akt MEK) inhibitors			
	Cabozantinib malate (XL184)		VEGFR2,c-Met, Ret, Kit, Flt-1/3/4, Tie2, AXL
	Olmudinib (BI 1482694)		EGFR
	Pazopanib HCl (GW786034 HCl)		VEGFR1/2/3, PDGFR, FGFR, c-Kit, c-fms
	Cabozantinib (BMS-907351)		VEGFR2, c-Met, Ret, Kit, Flt-1/3/4, Tie2, AXL
	Regorafenib (BAY 73-4506)		VEGFR1/2/3, PDGFR-β, Kit (c-Kit), RET (c-RET), Raf-1
	Sorafenib (BAY 43-9006) tosylate		Raf-1, B-Raf, VEGFR2, VEGFR3, PDGFR-β, Flt-3, c-KIT
	Nintedanib (BIBF 1120)		VEGFR1/2/3, FGFR1/2/3, PDGFRα/β
	Tivozanib (AV-951)		VEGFR1/2/3, PDGFR, c-Kit, FGFR-1, Flt3, c-Met, EGFR, IGF-1R
	Regorafenib (BAY-734506) Monohydrate		VEGFR1/2/3, PDGFR-β, c-Kit, c-RET, RAF-1, B-RAF, B-RAF
	Osimertinib mesylate		EGFR
	Sorafenib (BAY 43-9006)		Raf-1, B-Raf, VEGFR-2, VEGFR-3, PDGFR-β, Flt-3, c-KIT

Crizotinib (PF-02341066)



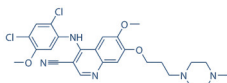
c-Met, ALK

Venetoclax (ABT-199)



Bcl-2

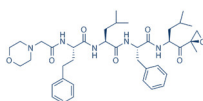
Bosutinib (SKI-606)



Src/Abl

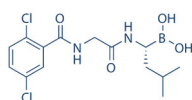
20S proteasome β 5 inhibitors

Carfilzomib (PR-171)



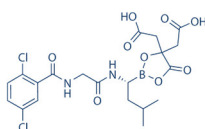
20S proteasome β 5

Ixazomib (MLN2238)



20S proteasome β 5

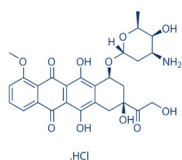
Ixazomib Citrate



20S proteasome β 5

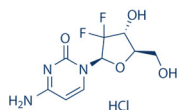
DNA synthesis inhibitors

Doxorubicin (Adriamycin) HCl



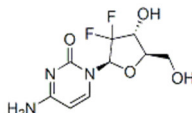
DNA topoisomerase II

Gemcitabine HCl



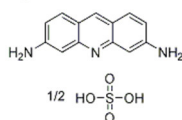
DNA synthesis

Gemcitabine



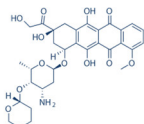
DNA synthesis

Proflavine Hemisulfate



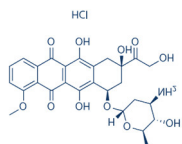
DNA synthesis

Pirarubicin



DNA topoisomerase II

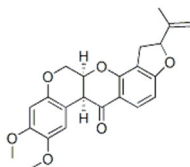
Epirubicin (IMI 28)
HCl



Topoisomerase

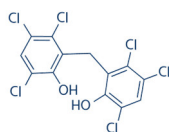
Ion channel inhibitors

Rotenone
(Barbasco)



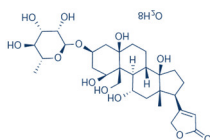
NADH/DB oxidoreductase, NADH oxidase

Hexachlorophene



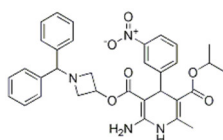
KCNQ1/KCNE1

Ouabain



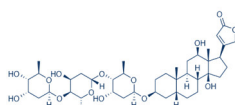
Na⁺/K⁺-ATPase

Azelnidipine



Calcium channel

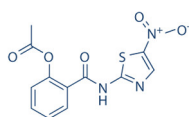
Digoxin
(NSC 95100)



Na⁺/K⁺-ATPase

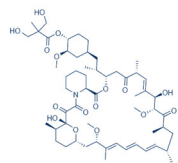
Antiparasitics, antibacteria drugs

Nitazoxanide



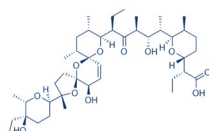
mTORC1

Temsirolimus (CCI-
779)

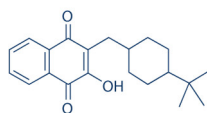


mTOR

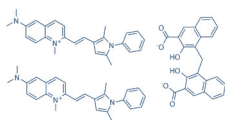
Salinomycin



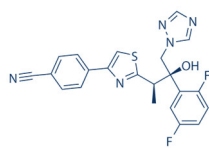
Buparvaquone



pyrvinium

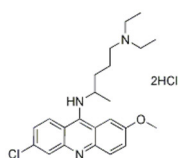


Isavuconazole



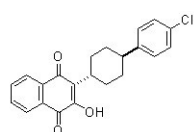
14 α -lanosterol

Quinacrine 2HCl

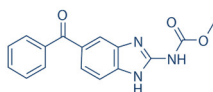


phospholipase A2

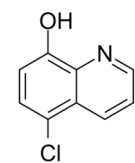
Atovaquone



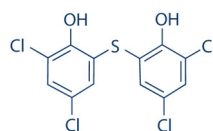
Mebendazole



Cloxiquine

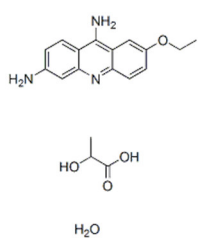


Bithionol



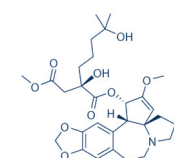
sAC

Ethacridine lactate
monohydrate



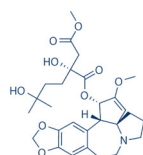
Natural products

Homoharringtonin
e

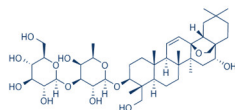


ribosomal A-sit

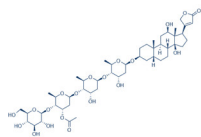
Harringtonine



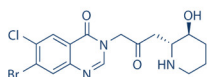
Saikosaponin D



Lanatoside C



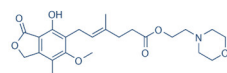
Halofuginone



prolyl-tRNA synthetase

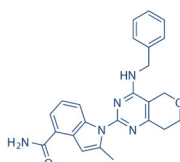
Others

Mycophenolate
Mofetil



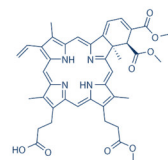
inosine monophosphate dehydrogenase I/II

CB-5083



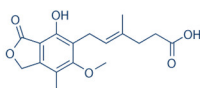
p97 AAA ATPase

Verteporfin



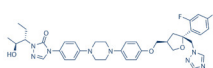
YAP-TEAD

Mycophenolic acid



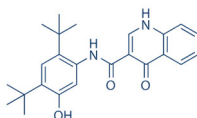
IMPDH

Posaconazole
(SCH 56592)



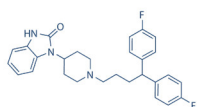
CYP3A4

Ivacaftor (VX-770)



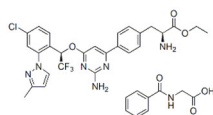
CFTR

Pimozide



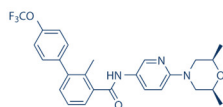
Dopamine Receptors

Telotristat Etiprate



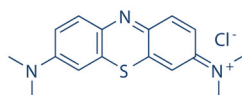
tryptophan hydroxylase

Sonidegib (NVP-LDE225)



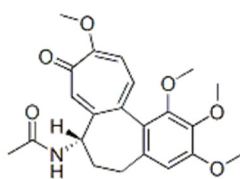
Smoothened

Methylene Blue

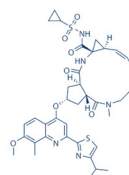


tau,sAC

Colchicine
(NSC 757)

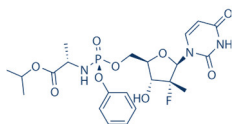


Simeprevir
(TMC435)



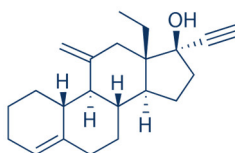
hepatitis C virus (HCV) NS3/4A protease

Sofosbuvir
(GS-7977)

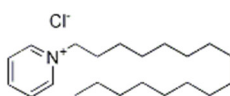


HCV NS5B polymerase

Desogestrel



Cetylpyridinium
Chloride



tau,sAC