

Compound Number	Enzymatic, Km ATP [IC ₅₀ , uM]			
	CDK1	CDK2	CDK5	CDK7
44	>30	>30	>30	0.071
64	14.5	10.6	>30	0.008
95	>30	>30	>30	0.082
134	>30	>30	>30	0.043
147	>30	>30	>30	0.044
164	>30	>30	>30	0.024
174	14.4	27.4	16.5	0.003
175	>30	>30	>30	0.009
177	>30	>30	>30	0.01
178	>30	>30	>30	0.006

Figure 1

Anti-viral activity against ADP169-GFP

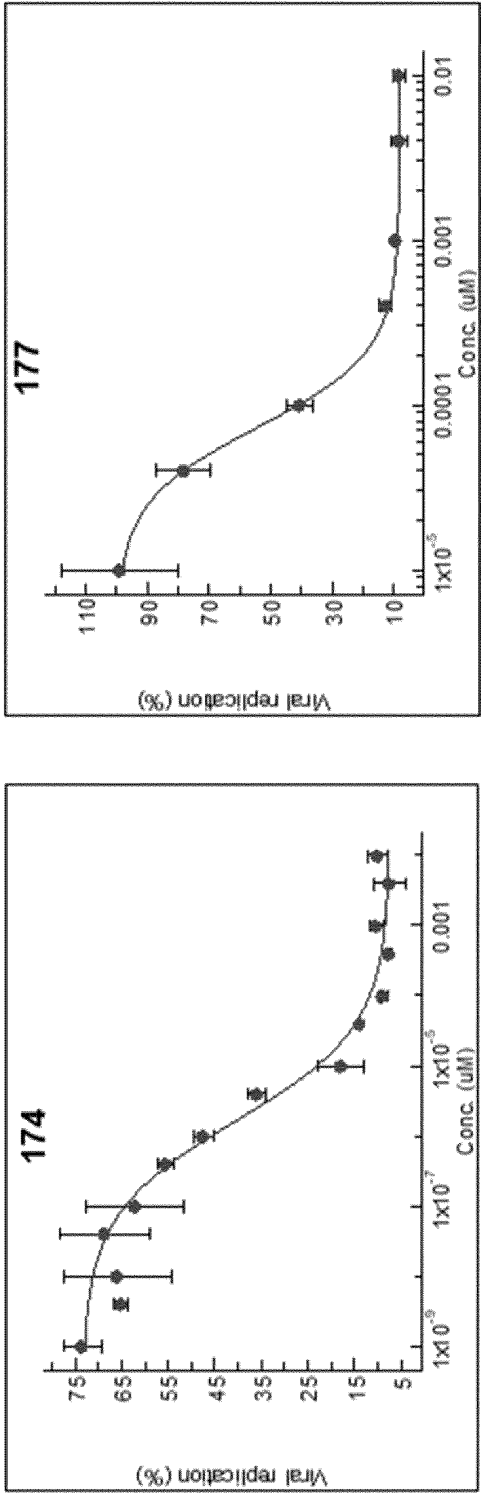


Figure 2

Compound Number	Virus replication [EC ₅₀ , uM]	Cytotoxicity [CC ₅₀ , uM]	SI
	ADP169-GFP	HFFs	CC ₅₀ /EC ₅₀
44	B	A	B
64	A	A	A
95	C	A	C
134	A	A	A
147	B	A	B
164	A	A	A
174	A	A	A
175	A	A	A
177	A	A	A
178	A	B	B
Activity range: A indicates EC ₅₀ ≤ 0.001 μM, B indicates 0.001 < EC ₅₀ ≤ 0.1 μM, C indicates EC ₅₀ > 0.1 μM Cytotoxicity range: A indicates CC ₅₀ > 1 μM, B indicates CC ₅₀ ≤ 1 μM Selectivity range: A indicates [fold] > 10,000 , B indicates 1,000 < [fold] ≤ 10,000, C indicates [fold] ≤ 1,000			

Figure 3

Anti-viral activity against ganciclovir-resistant ADP169-GFP314

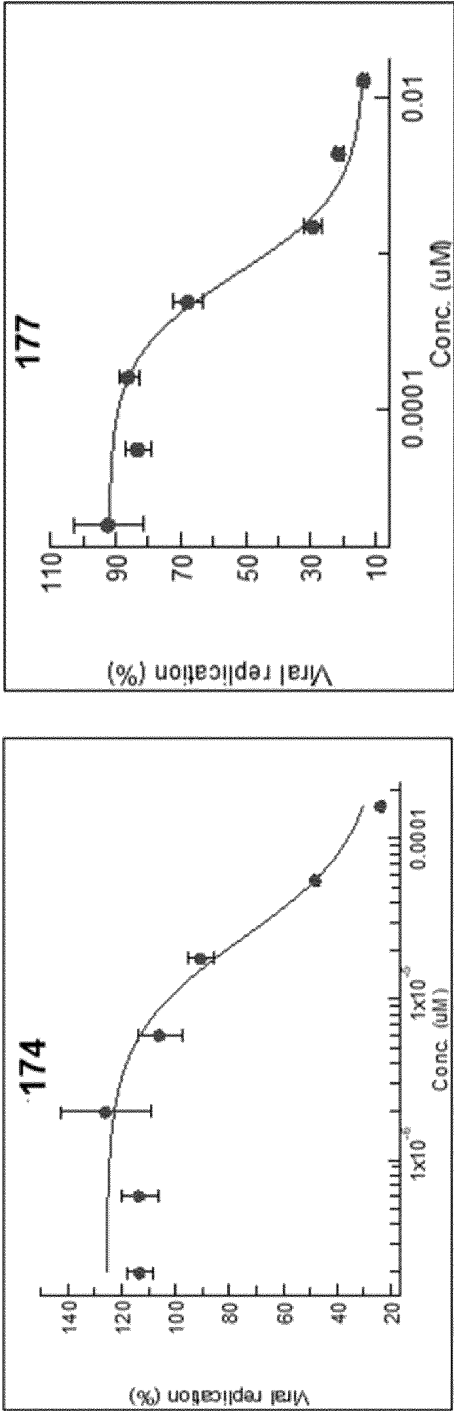


Figure 4

Compound Number	Virus replication [EC ₅₀ , μM]	Cytotoxicity [CC ₅₀ , μM]	SI
	ADP169-GFP314	HFFs	CC ₅₀ /EC ₅₀
Ganciclovir	13.25	-	-
64	A	A	B
174	A	B	A
175	A	A	A
177	A	A	B
Activity range: A indicates EC50 ≤ 0.001 μM, B indicates 0.001 < EC50 ≤ 0.1 μM, C indicates EC50 > 0.1 μM Cytotoxicity range: A indicates CC50 > 1 μM, B indicates CC50 ≤ 1 μM Selectivity range: A indicates [fold] > 10,000 , B indicates 1,000 < [fold] ≤ 10,000, C indicates [fold] ≤ 1,000			

Figure 5

Compound Number	Virus replication [EC ₅₀ , µM]	Cytotoxicity [CC ₅₀ , µM]
	HSV-1	HFFs
64	B	A
174	A	A
175	A	A
177	A	A
Activity range: A indicates EC50 ≤ 0.1 µM, B indicates 0.1 < EC50 ≤ 1 µM, C indicates EC50 > 1 µM Cytotoxicity range: A indicates CC50 > 1 µM, B indicates CC50 ≤ 1 µM		

Figure 6

Compound Number	Virus replication [EC ₅₀ , uM]	Cytotoxicity [CC ₅₀ , uM]
	EBV	Akata
64	A	A
174	A	A
175	B	A
177	B	A
Activity range: A indicates EC50 ≤ 0.1 μM, B indicates 0.1 < EC50 ≤ 1 μM, C indicates EC50 > 1 μM Cytotoxicity range: A indicates CC50 > 1 μM, B indicates CC50 ≤ 1 μM		

Figure 7

Compound Number	Virus replication [EC ₅₀ μM]						
	pUL97-F342S	pUL97-C592G	pUL97-H520Q	pUL97-C603W	pUL97-H469V	pUL97-M460I	pUL97-A594V
64	A	A	A	A	A	A	A
174	A	A	A	A	A	A	A
175	A	A	A	A	A	A	A
177	A	A	A	A	A	A	A
GCV	D	D	E	D	C	D	C
Activity range: A indicates EC50 ≤ 0.001 μM, B indicates 0.001 < EC50 ≤ 0.1 μM, C indicates 0.1 μM < EC50 ≤ 1 μM, D indicates 1 μM < EC50 ≤ 10 μM, E indicates EC50 > 10 μM							

Figure 8

Compound Number	Virus replication [EC ₅₀ , μM]			
	pUL97-T409M	pUL97-H411Y	pUL97-F342S	pUL97-L397R
64	A	A	A	A
174	A	A	A	A
175	A	A	A	A
177	A	A	A	A
MBV	E	D	D	E
Activity range: A indicates EC50 ≤ 0.001 μM, B indicates 0.001 < EC50 ≤ 0.1 μM, C indicates 0.1 μM < EC50 ≤ 1 μM, D indicates 1 μM < EC50 ≤ 10 μM, E indicates EC50 > 10 μM				

Figure 9

Compound Number	HPV6		HPV11		HPV31	
	Virus replication [EC ₅₀ , uM]	Cytotoxicity [CC ₅₀ , uM]	Virus replication [EC ₅₀ , uM]	Cytotoxicity [CC ₅₀ , uM]	Virus replication [EC ₅₀ , uM]	Cytotoxicity [CC ₅₀ , uM]
174	B	A	B	A	A	A
175	B	A	B	A	B	A
177	B	A	B	A	B	A
Activity range: A indicates EC50 ≤ 0.1 μM, B indicates 0.1 < EC50 ≤ 1 μM, C indicates EC50 > 1 μM						
Cytotoxicity range: A indicates CC50 > 1 μM, B indicates CC50 ≤ 1 μM						

Figure 10