Supplementary Material

SAMHD1 enhances nucleoside-analogue efficacy against HIV-1 in myeloid cells

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Table S1. Cytotoxicity and anti-HIV-1 activity of nucleoside analogues in T cell lines

Nucleoside analogue		H9		Jurkat			
	CC ₅₀ (µM) ^a [95% CI] ^c	EC ₅₀ (µM) ^b [95% CI]	SI ^d	CC ₅₀ (μM) EC ₅₀ (μM) SI [95% CI] [95% CI]			
ACV	>200	>200	-	>200 >200 -			
GCV	>200	>200	-	>200 >200 -			
CFB	0.031 [0.026 - 0.037]	0.094 [0.028 - 0.159]	<1	0.049			
d4T	>200	5.57 [5.33 - 5.82]	>36	>200 6.56 >30 [1.38 - 11.7]			
ddl	>200	2.37 [0.803 - 3.94]	>84	>200 1.43 >140 [0.711 - 2.15]			
ABC	>200	0.029 [0.022 - 0.036]	>6897	>200 0.026 >7692 [0.007 - 0.044]			
NVP	>200	0.158 [0.116 - 0.201]	>1266	>200 0.486 >412 [0.345 - 0.627]			
RAL	>200	0.002 [0.002 - 0.003]	>100000	>200 0.004 >50000 [0.003 - 0.004]			

 $^{^{}a}$ CC $_{50}$ is the effective concentration that inhibits cell viability by 50% measured as the percentage of live cells by flow cytometry. Values were calculated by non-linear regression for at least two independent experiments.

 $^{^{}b}\text{EC}_{50}$ is the effective concentration of drug that inhibits infection of cells by 50% measured as percentage of GFP+ cells. Values were calculated by non-linear regression for at east two independent experiments.

 $^{^{\}circ}95\%$ confidence interval. Non-ambiguous values were subject to a replicate test.

 $^{^{\}rm d}{\rm SI}$: Selectivity index, ${\rm CC}_{\rm 50}/{\rm EC}_{\rm 50}$

Table S2. Cytotoxicity and selectivity index of nucleoside analogues in monocytoid cell lines

	U937				THP-1				
Nucleoside	PMA-	PMA ⁻		PMA ⁺		PMA ⁻		PMA ⁺	
analogue	CC ₅₀ (µM) ^a [95% CI] ^b	SIc	CC ₅₀ (µM) [95% CI]	SI	CC ₅₀ (μM) [95% CI]	SI	CC ₅₀ (µM) [95% CI]	SI	
ACV	>200	-	>200	>4	>200	-	>200	>304	
GCV	>200	-	>200	-	>200	-	>200	>545	
CFB	0.090 [0.080 - 0.100]	<1	>1.6	>43	0.059 [0.023 - 0.095]	<1	>1.6	>533	
d4T	>200	>31	>200	>28	>200	>32	>200	>51	
ddl	>200	>4	>200	>82	>200	>99	>200	>2151	
ABC	> 200	>14	>200	>27	>200	>406	>200	>6452	
NVP	>200	>396	>200	>1695	>200	>542	>200	>913	
RAL	>200	>15385	>200	>3175	>200	>4545	>200	>5405	

 $^{^{}a}$ CC $_{50}$ is the effective concentration of nucleoside analogue that inhibits cell viability by 50% measured as the percentage of live cells by flow cytometry. Values were calculated by non-linear regression from at least two independent experiments.

b95% confidence interval. Non-ambiguous values were subject to a replicate test.

 $^{^{\}circ}$ SI: Selectivity index, CC_{50}/EC_{50}