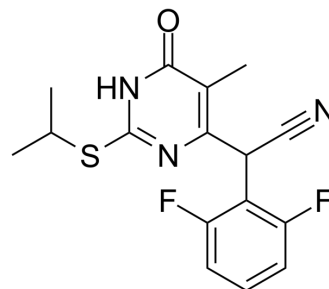


HIV-1 inhibitor-41

Cat. No.:	HY-147841
Molecular Formula:	C ₁₆ H ₁₅ F ₂ N ₃ OS
Molecular Weight:	335.37
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HIV-1 inhibitor-41 (Compound B23) is an orally active non-nucleoside HIV-1 reverse transcriptase inhibitor with EC ₅₀ values of 20.8 nM and 50 nM against HIV-1 WT and mutant E138K strain, respectively. HIV-1 inhibitor-41 shows low hERG, no apparent CYP enzymatic inhibition and no acute toxicity ^[1] .			
IC₅₀ & Target	HIV-1 (WT) 20.8 nM (IC ₅₀)	HIV-1 (E138K) 50 nM (IC ₅₀)	HIV-1 (Y181C) 0.75 μM (IC ₅₀)	HIV-1 (L100I) 1.03 μM (IC ₅₀)
	HIV-1 (K103N) 3.39 μM (IC ₅₀)	HIV-1 (Y188L) 69.04 μM (IC ₅₀)		

REFERENCES

[1]. Ling X, et al. Expansion of the S-CN-DABO scaffold to exploit the impact on inhibitory activities against the non-nucleoside HIV-1 reverse transcriptase. *Eur J Med Chem.* 2022 Aug 5;238:114512.

Caution: Product has not been fully validated for medical applications. For research use only.

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