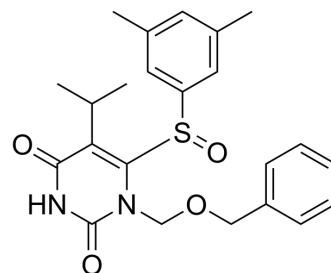


HIV-1 inhibitor-44

Cat. No.:	HY-150697
Molecular Formula:	C ₂₃ H ₂₆ N ₂ O ₄ S
Molecular Weight:	426.53
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HIV-1 inhibitor-44 (compound 11l) is a HIV-1 reverse transcriptase inhibitor. HIV-1 inhibitor-44 shows inhibitory activity against wild-type HIV-1 strain with an EC ₅₀ value of 0.209 μM ^[1] .
IC₅₀ & Target	HIV-1 0.209 μM (EC50)
In Vitro	HIV-1 inhibitor-44 (compound 11l) displays potent inhibitory activity against WT HIV-1, mutant strains L100I and E138K, with EC ₅₀ s of 0.21 μM, 0.94 μM, and 1.37 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hao Q, et al. Structure-Based design of [(2-Hydroxyethoxy)methyl]-6-(phenylthio)-thymine derivatives as nonnucleoside HIV-1 reverse transcriptase Inhibitors: From HEPTs to Sulfinyl-substituted HEPTs. *Bioorg Chem.* 2022 Sep. 126:105880.

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

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