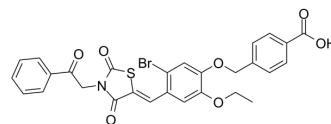


D77

Cat. No.:	HY-18666
CAS No.:	497836-10-9
Molecular Formula:	C ₂₈ H ₂₂ BrNO ₇ S
Molecular Weight:	596.45
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

D77 is anti-HIV-1 inhibitor targeting the interaction between integrase and cellular LEDGF/p75. D77 inhibits HIV-1(IIIB) replication by EC₅₀ value of 23.8 µg/ml in MT-4 cell (5.03 µg/ml for C8166 cells). IC₅₀ value: 23.8 µg/ml (EC₅₀, in MT-4 cell), 5.03 µg/ml (EC₅₀, in C8166 cell) Target: HIV-1 in vitro: D77 exhibits a highly specific binding affinity to HIV-1 integrase catalytic core domain. D77 induces a dramatic concentration-dependent decrease of α-galactosidase activity compared to the D77-untreated cells. D77 reveals a significant inhibition activity against the interaction of IN with IBD.

REFERENCES

[1]. Du L, et al. D77, one benzoic acid derivative, functions as a novel anti-HIV-1 inhibitor targeting the interaction between integrase and cellular LEDGF/p75. *Biochem Biophys Res Commun.* 2008 Oct 10;375(1):139-144.

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

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