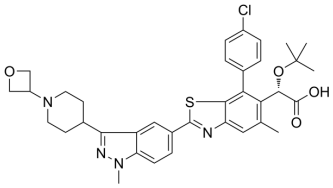
GS-9822

Cat. No.:	HY-122229
CAS No.:	2219362-41-9
Molecular Formula:	$C_{36}H_{39}ClN_4O_4S$
Molecular Weight:	659.24
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GS-9822 is a potent antivira agent with nanomolar activity against wild-type HIV-1 viruses. GS-9822 potently inhibits the LEDGF/p75-integrase interaction with an IC_{50} of 0.07 μM. GS-9822 has high in vitro metabolic stability and favorable oral pharmacokinetic profiles with low systemic clearance in rats, dogs, and monkeys[1].
IC_{50} & Target	EC50: 0.0022 μM (Strain IIIb), 0.0025 μM (Strain NL4.3)[1] IC50: 0.07 μM (LEDGF/p75-integrase)[1]

REFERENCES

[1]. Bruggemans A, et al. GS-9822, a preclinical LEDGIN candidate, displays a block-and-lock phenotype in cell culture. Antimicrob Agents Chemother. 2023 May 1;65(5):e02328-20.

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