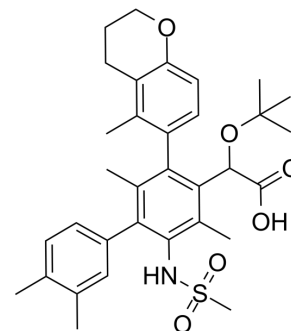


Integrase-LEDGF/p75 allosteric inhibitor 1

Cat. No.:	HY-147653
CAS No.:	1431738-14-5
Molecular Formula:	C ₃₃ H ₄₁ NO ₆ S
Molecular Weight:	579.75
Target:	HIV Integrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Integrase-LEDGF/p75 allosteric inhibitor 1 (Compound 31h) is an orally active integrase-LEDGF/p75 (IN-LEDGF/p75) allosteric inhibitor. Integrase-LEDGF/p75 allosteric inhibitor 1 inhibits HIV-1 DNA integration and shows antiviral activity with an EC ₅₀ of 3.9 nM against HIV-1 recombinant molecular clone NL432 ^[1] .
IC₅₀ & Target	EC ₅₀ : 3.9 nM (NL432) ^[1]
In Vivo	Integrase-LEDGF/p75 allosteric inhibitor 1 (Compound 31h) has moderate metabolic stability (HLM MS = 59%, RLM MS = 61%), exhibits good clearance (CLt = 6.99 mL/min/kg) and good bioavailability (F = 36%) in rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sugiyama S, et al. Discovery of novel integrase-LEDGF/p75 allosteric inhibitors based on a benzene scaffold. *Bioorg Med Chem*. 2020 Sep 1;28(17):115643.

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

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