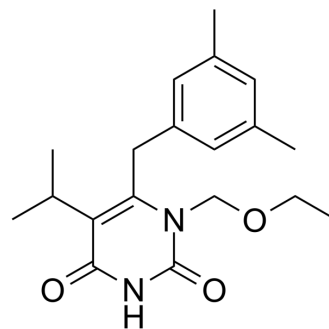


GCA-186

Cat. No.:	HY-116528
CAS No.:	149950-61-8
Molecular Formula:	C ₁₉ H ₂₆ N ₂ O ₃
Molecular Weight:	330.42
Target:	HIV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GCA-186 is a potent anti-HIV-1 agent. GCA-186 is highly active against both wild type and mutated HIV-1 strains with EC ₅₀ s of 1, 180, 1, and 40 nM for III _B , III _B -R(Y181C), NL4-3 and NL4-3 _{K103N} of HIV-1 strains, respectively ^[1] .
In Vitro	GCA-186 shows antiviral activity (EC ₅₀ =0.6 nM) and cytotoxicity against HIV-1 in MT-4 cells (CC ₅₀ =43 μM) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. El-Brollosy NR, et al. Synthesis and antiviral evaluation of 6-(trifluoromethylbenzyl) and 6-(fluorobenzyl) analogues of HIV drugs emivirine and GCA-186. Arch Pharm (Weinheim). 2008;341(1):9-19.

[2]. Hopkins AL, et al. Design of MKC-442 (emivirine) analogues with improved activity against drug-resistant HIV mutants. J Med Chem. 1999;42(22):4500-4505.

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

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