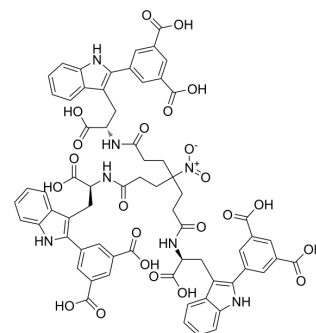


AL-470

Cat. No.:	HY-146009
CAS No.:	2671019-15-9
Molecular Formula:	C ₆₇ H ₅₇ N ₇ O ₂₃
Molecular Weight:	1328.2
Target:	HIV; Enterovirus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AL-470 is a potent antiviral agent with EC ₅₀ values of 0.27, 0.63, and 0.35 μM against HIV-1, HIV-2, and EV-A71, respectively ^[1] .		
IC₅₀ & Target	HIV-1 0.27 μM (EC50)	HIV-2 0.63 μM (EC50)	EV-A71 0.35 μM (EC50)
In Vitro	AL-470 shows antiviral activity against the whole panel of mutant EV-A71 strains: EV-A71 BrCr wt (EC ₅₀ = 0.3 ± 0.03 μM), VP1_S184T (EC ₅₀ = 2.3 ± 0.6 μM), VP1_P246S (EC ₅₀ = 1.9 ± 0.04 μM), VP1_S184T_P246S (EC ₅₀ = 2.2 ± 0.08 μM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Olaia Martí-Marí, et al. Organotropic dendrons with high potency as HIV-1, HIV-2 and EV-A71 cell entry inhibitors. *Eur J Med Chem.* 2022 Jul 5;237:114414.

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

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