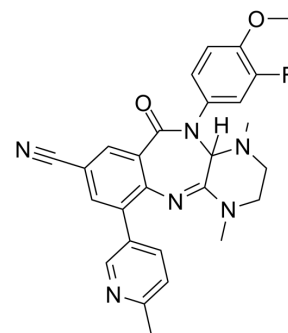


Encephalitic alphavirus-IN-1

Cat. No.:	HY-145842
Molecular Formula:	C ₂₇ H ₂₅ FN ₆ O ₂
Molecular Weight:	484.52
Target:	Virus Protease
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Encephalitic alphavirus-IN-1 has antiviral activity for VEEV and EEEV with EC ₅₀ s of 0.24 μM and 0.16 μM, respectively. Encephalitic alphavirus-IN-1 has robust mouse plasma stability, and no obvious cytotoxicity ^[1] .
IC₅₀ & Target	EC ₅₀ : 0.24 μM (VEEV), 0.16 μM (EEEV) ^[1]
In Vitro	Encephalitic alphavirus-IN-1 (1 and 5 μM; 18 hours) reduces substantial VEEV and EEEV in human brain primary neuronal cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ryan MC, et al. Piperazinobenzodiazepinones: New Encephalitic Alphavirus Inhibitors via Ring Expansion of 2-Dichloromethylquinazolinones. ACS Med Chem Lett. 2022;13(4):546-553. Published 2022 Mar 14.

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

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