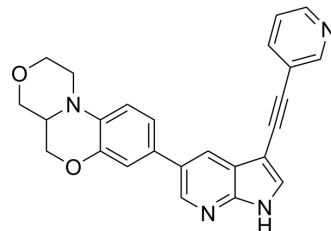


SARS-CoV-2-IN-81

Cat. No.:	HY-161261
Molecular Formula:	C ₂₅ H ₂₀ N ₄ O ₂
Molecular Weight:	408.45
Target:	AAK1; SARS-CoV
Pathway:	Neuronal Signaling; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SARS-CoV-2-IN-81 (compound 12e) is a potent AAK1 inhibitor with an IC ₅₀ value of 9.38 nM. SARS-CoV-2-IN-81 shows anti-viral property against SARS-CoV-2. SARS-CoV-2-IN-81 attenuates AAK1-induced phosphorylation of AP2M1 threonine 156 and disrupts the direct interaction between AP2M1 and ACE2, ultimately inhibiting SARS-CoV-2 infection ^[1] .
IC ₅₀ & Target	IC ₅₀ : 9.38 nM (AAK1) ^[1]

REFERENCES

[1]. Nian-Dong Mao, et al. Design, synthesis and biological evaluation of novel 1,2,4a,5-tetrahydro-4H-benzo[b][1,4]oxazino[4,3-d][1,4]oxazine-based AAK1 inhibitors with anti-viral property against SARS-CoV-2. Eur J Med Chem. 2024 Feb 12:268:116232.

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

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