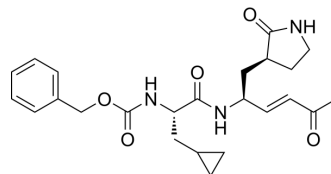


SPR39

Cat. No.:	HY-152220
Molecular Formula:	C ₂₄ H ₃₁ N ₃ O ₅
Molecular Weight:	441.52
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SPR39 is a potent SARS-CoV-2 main protease inhibitor with K _i values of 0.252, 3.38, 7.88 μM for SARS-CoV-2 M ^{Pro} , hCatL, hCatB, respectively. SPR39 shows antiviral and cytotoxicity ^[1] .
IC ₅₀ & Target	K _i : 0.252 μM (SARS-CoV-2 M ^{Pro}); 3.38 μM (hCatL); 7.88 μM (hCatB) ^[1]
In Vitro	SPR39 (0-100 μM; 1 h) shows antiviral and cytotoxicity with EC ₅₀ of 1.5 μM for SARS-CoV-2 infected Huh-7-ACE2 cells and CC ₅₀ of 100 μM for Huh-7-ACE2 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Previti S, et al. Structure-based lead optimization of peptide-based vinyl methyl ketones as SARS-CoV-2 main protease inhibitors. Eur J Med Chem. 2022 Dec 15;247:115021.

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

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