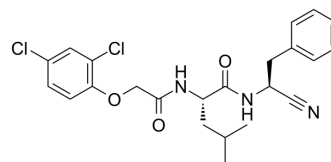


SARS-CoV-2-IN-77

Cat. No.:	HY-163206
Molecular Formula:	C ₂₃ H ₂₅ Cl ₂ N ₃ O ₃
Molecular Weight:	462.37
Target:	Cathepsin; SARS-CoV
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SARS-CoV-2-IN-77 (compound 11e) is a cathepsin L and cathepsin S inhibitor with K _i values of 111 nM and 103 nM, respectively. SARS-CoV-2-IN-77 inhibits SARS-CoV-2 with an EC ₅₀ value of 38.4 nM in Calu-3 cells without showing cytotoxicity ^[1] .		
IC ₅₀ & Target	cathepsin L 111 nM (K _i)	cathepsin S 103 nM (K _i)	SARS-CoV-2 38.4 nM (EC ₅₀)

REFERENCES

[1]. Philipp Flury, et al. Cathepsin-Targeting SARS-CoV-2 Inhibitors: Design, Synthesis, and Biological Activity. ACS Pharmacol. Transl. Sci. January 19, 2024.

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

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