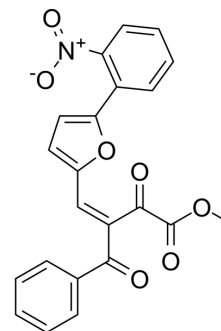


SARS-CoV-2 3CLpro-IN-6

Cat. No.:	HY-152005
CAS No.:	302821-53-0
Molecular Formula:	C ₂₂ H ₁₅ NO ₇
Molecular Weight:	405.36
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SARS-CoV-2 3CLpro-IN-6 is a reversible covalent inhibitor of SARS-CoV-2 3CL protease. SARS-CoV-2 3CLpro-IN-6 has potent inhibitory activity for SARS-CoV-2 3CL ^{pro} with an IC ₅₀ value of 4.9 μM. SARS-CoV-2 3CLpro-IN-6 can be used for the research of coronavirus disease 2019 (COVID-19) ^[1] .
IC₅₀ & Target	IC ₅₀ : 4.9 μM (SARS-CoV-2 3CL ^{pro}) ^[1]
In Vitro	SARS-CoV-2 3CLpro-IN-6 (Compound 13) (0-100 μM) has potent inhibitory activity for SARS-CoV-2 3CL ^{pro} with IC ₅₀ value of 4.9 μM ^[1] . SARS-CoV-2 3CLpro-IN-6 (5, 10 μM) has typical covalent inhibition behavior with time-dependent activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liying Wang, et al. Discovery of novel SARS-CoV-2 3CL protease covalent inhibitors using deep learning-based screen. Eur J Med Chem. 2022 Dec 15;244:114803.

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

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