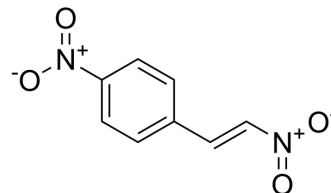


SARS-CoV-2 3CLpro-IN-15

Cat. No.:	HY-W760546
CAS No.:	3156-41-0
Molecular Formula:	C ₈ H ₆ N ₂ O ₄
Molecular Weight:	194.14
Target:	SARS-CoV; Virus Protease
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-15 (compound a) is a beta-nitrostyrene coronavirus SARS-CoV-2 inhibitor that targets the SARS-CoV-2 3CL protease (3CLpro). SARS-CoV-2 3CLpro-IN-15 inhibits viral replication and transcription and plays a key role in the discovery of anti-COVID-19 lead compounds ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.7297 μM (SARS-CoV-2 3CL protease) ^[1]

REFERENCES

[1]. Jia ZJ, et al. Synthesis, molecular docking, and binding Gibbs free energy calculation of β-nitrostyrene derivatives: Potential inhibitors of SARS-CoV-2 3CL protease. J Mol Struct. 2023 Jul 15;1284:135409..

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA