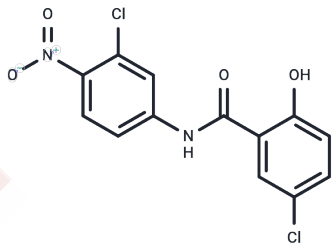
Data Sheet (Cat.No.T60919)

TargetMol

SARS-CoV-2-IN-13

Chemical Properties



CAS No. : 56961-10-5

Formula: C13H8Cl2N2O4

Molecular Weight: 327.12

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SARS-CoV-2-IN-13 (compound 5) is an analogue of niclosamide, displaying greater stability in human plasma and liver S9 enzymes assay. It improves bioavailability and half-life when administered orally and is a potent SARS-CoV-2 inhibitor with an IC50 of 0.057 μM [1].
Targets(IC50)	SARS-CoV

Solubility Information

Solubility	DMSO: 112.5 mg/mL (343.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.057 mL	15.2849 mL	30.5698 mL
5 mM	0.6114 mL	3.057 mL	6.114 mL
10 mM	0.3057 mL	1.5285 mL	3.057 mL
50 mM	0.0611 mL	0.3057 mL	0.6114 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Juang YP, et al. Design, synthesis and biological evaluations of niclosamide analogues against SARS-CoV-2. Eur J Med Chem. 2022 May 5;235:114295.

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