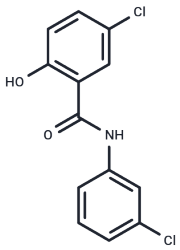
Data Sheet (Cat.No.T60538)

TargetMol

SARS-CoV-2-IN-14

Chemical Properties



CAS No. : 22203-98-1

Formula: C13H9Cl2NO2

Molecular Weight: 282.12

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-14 is a potent and oral inhibitor of SARS-CoV-2 (IC50:0.39 μM), which is an analogue of niclosamide. SARS-CoV-2-IN-14 was more stable than niclosamide in the determination of human plasma and liver S9 enzyme. Oral administration of SARS-CoV-2-IN-14 can improve its bioavailability and half-life.
Targets(IC50)	SARS-CoV

Solubility Information

Solubility	DMSO: 9 mg/mL (31.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5446 mL	17.723 mL	35.4459 mL
5 mM	0.7089 mL	3.5446 mL	7.0892 mL
10 mM	0.3545 mL	1.7723 mL	3.5446 mL
50 mM	0.0709 mL	0.3545 mL	0.7089 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;235:114295.

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