

## Glutamyl cyclases-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>25</sub>H<sub>30</sub>N<sub>6</sub>O<sub>2</sub>S

Molecular Weight: 478.61

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	Glutamyl cyclases-IN-1 (IsoQC-IN-1) is a potent inhibitor of Glutamyl cyclases (QC), acting on human QC with an IC <sub>50</sub> of 12 nM and on isoQC with an IC <sub>50</sub> of 73 nM. It selectively inhibits isoQC, blocks CD47/SIRP $\alpha$ interaction, and enhances phagocytosis in THP-1 and U937 macrophages.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0894 mL	10.4469 mL	20.8938 mL
5 mM	0.4179 mL	2.0894 mL	4.1788 mL
10 mM	0.2089 mL	1.0447 mL	2.0894 mL
50 mM	0.0418 mL	0.2089 mL	0.4179 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.

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