

PyrD-IN-14

Chemical Properties

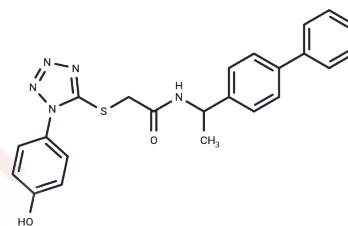
CAS No. : 920876-98-8

Formula: C₂₃H₂₁N₅O₂S

Molecular Weight: 431.51

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	PyrD-IN-14 is an inhibitor of the PyrD protein (a dihydroorotate dehydrogenase (DHODase) involved in pyrimidine biosynthesis) which suppresses bacterial cytotoxicity, biofilm formation, and antibiotic resistance.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3174 mL	11.5872 mL	23.1744 mL
5 mM	0.4635 mL	2.3174 mL	4.6349 mL
10 mM	0.2317 mL	1.1587 mL	2.3174 mL
50 mM	0.0463 mL	0.2317 mL	0.4635 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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