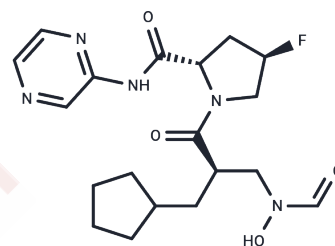


PDF-IN-2

Chemical Properties

CAS No. : 949197-97-1
 Formula: C₁₉H₂₆FN₅O₄
 Molecular Weight: 407.44
 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	PDF-IN-2 is an inhibitor of peptide deformylase (PDF). It exhibits average IC ₅₀ values of 0.25, 0.50, and 0.34 nM against Streptococcus pneumoniae strains PDFWT, G70V, and G70D, respectively, with corresponding average MIC values of 0.16, 0.33, and 0.25 µg/mL. PDF-IN-2 is applicable for research in infectious diseases.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4543 mL	12.2717 mL	24.5435 mL
5 mM	0.4909 mL	2.4543 mL	4.9087 mL
10 mM	0.2454 mL	1.2272 mL	2.4543 mL
50 mM	0.0491 mL	0.2454 mL	0.4909 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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