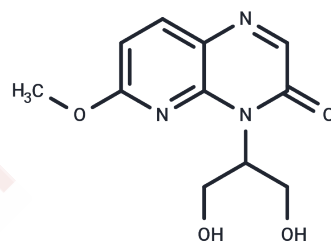


β -Lactamase-IN-1

Chemical Properties

CAS No. :	1075237-97-6
Formula:	C ₁₁ H ₁₃ N ₃ O ₄
Molecular Weight:	251.24
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	β -Lactamase-IN-1 (4-(1,3-dihydroxypropan-2-yl)-6-methoxypyrido[2,3-b]pyrazin-3-one) is a β -Lactamase inhibitor and targets the infection of Neisseria gonorrhoeae.
Targets(IC50)	Antibacterial
In vitro	β -Lactamase-IN-1 is a precursor in synthesizing tricyclic nitrogen-containing compounds with antibacterial properties [1].

Solubility Information

Solubility	DMSO: 30 mg/mL (119.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.96 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9803 mL	19.9013 mL	39.8026 mL
5 mM	0.7961 mL	3.9803 mL	7.9605 mL
10 mM	0.398 mL	1.9901 mL	3.9803 mL
50 mM	0.0796 mL	0.398 mL	0.7961 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

Katherine Louisa Widdowson. Tricyclic nitrogen containing compounds for treating neisseria gonorrhoea infection. WO2016027249A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481