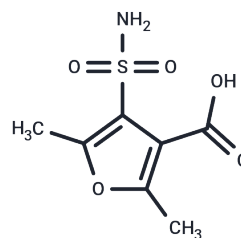


Metallo β -lactamase ligand 1

Chemical Properties

CAS No. :	1087784-71-1
Formula:	C7H9NO5S
Molecular Weight:	219.22
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	Metallo β -lactamase ligand 1 is an inhibitor of class B β -lactamase exhibiting antibacterial activities.
Targets(IC50)	Antibacterial
In vitro	The toxicity of Metallo β -lactamase ligand 1 is extremely low in HeLa cells[1].
In vivo	Administration of Metallo β -lactamase ligand 1 significantly improves the survival rate in mice infected with an experimental strain (E. coli strain into which a plasmid encoding class B β -lactamase (IMP-1) is introduced)[1].

Solubility Information

Solubility	DMSO: 55 mg/mL (250.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5616 mL	22.8081 mL	45.6163 mL
5 mM	0.9123 mL	4.5616 mL	9.1233 mL
10 mM	0.4562 mL	2.2808 mL	4.5616 mL
50 mM	0.0912 mL	0.4562 mL	0.9123 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

Arakawa, Yoshichika, et al. β -LACTAMASE INHIBITOR. WO2019221122A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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