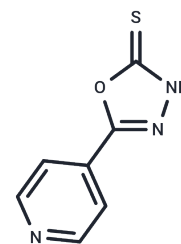


Urease Inhibitor 07

Chemical Properties

CAS No. :	15264-63-8
Formula:	C7H5N3OS
Molecular Weight:	179.2
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	Urease Inhibitor 07 is an isosubstituted metalloproteinase inhibitor with potential activity against Mycobacterium tuberculosis strain H37Rv.
Targets(IC50)	Others,Antibacterial,Antifungal

Solubility Information

Solubility	DMSO: 25 mg/mL (139.51 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	5.5804 mL	27.9018 mL	55.8036 mL
5 mM	1.1161 mL	5.5804 mL	11.1607 mL
10 mM	0.558 mL	2.7902 mL	5.5804 mL
50 mM	0.1116 mL	0.558 mL	1.1161 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

Yarmohammadi E, et al. Ultrasound-assisted, low-solvent and acid/base-free synthesis of 5-substituted 1,3,4-oxadiazole-2-thiols as potent antimicrobial and antioxidant agents. Mol Divers. 2021;25(4):2367-2378.

Pardasani R T,et al. Magnetic properties of manganese (II) complex with 5-(4-pyridyl)-1, 3, 4-oxadiazole-2-thione containing 2, 2'-bipyridine. Springer Berlin Heidelberg, 2022;6: 182-184.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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