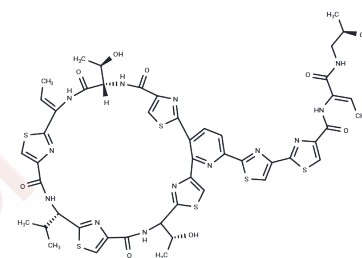


Micrococcin P1

Chemical Properties

CAS No. :	67401-56-3
Formula:	C ₄₈ H ₄₉ N ₁₃ O ₉ S ₆
Molecular Weight:	1144.36
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	Micrococcin P1 is a macrocyclic peptide antibiotic and a potent inhibitor of the hepatitis C virus (HCV) with an EC ₅₀ range of 0.1-0.5 μM.
Targets(IC ₅₀)	HCV Protease,Antibacterial,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8739 mL	4.3693 mL	8.7385 mL
5 mM	0.1748 mL	0.8739 mL	1.7477 mL
10 mM	0.0874 mL	0.4369 mL	0.8739 mL
50 mM	0.0175 mL	0.0874 mL	0.1748 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

- Lee M, et al. Micrococcin P1, a naturally occurring macrocyclic peptide inhibiting hepatitis C virus entry in a pan-genotypic manner. *Antiviral Res.* 2016 Aug;132:287-95.
- Akasapu S, et al. Total synthesis of micrococcin P1 and thiocillin I enabled by Mo(vi) catalyst. *Chem Sci.* 2018 Dec 3; 10(7):1971-1975.
- Carnio MC, et al. Pyridinyl polythiazole class peptide antibiotic micrococcin P1, secreted by foodborne *Staphylococcus equorum* WS2733, is biosynthesized nonribosomally. *Eur J Biochem.* 2001 Dec;268(24):6390-401.

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