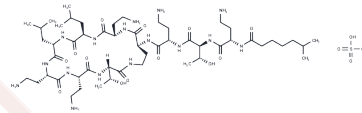


Polymyxin E2 sulfate

Chemical Properties

CAS No. :	1338055-88-1
Formula:	C52H98N16O13.XH2SO4
Molecular Weight:	1155.40
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	Polymyxin E2, a key component of the cationic lipopeptide antibiotic colistin, was originally derived from <i>B. polymyxa</i> and serves as a peptide antibiotic. It exhibits effective antibacterial activity against the plant pathogen <i>X. oryzae</i> , with an EC50 value of 0.21 µg/ml, and has been shown to both prevent and mitigate rice bacterial leaf blight in greenhouse experiments at a dosage of 200 µg/ml.
Targets(IC50)	Others,Antibiotic

Solubility Information

Solubility	PBS pH 7.2: 10 mg/mL (8.66 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	0.8655 mL	4.3275 mL	8.655 mL
5 mM	0.1731 mL	0.8655 mL	1.731 mL
10 mM	0.0866 mL	0.4328 mL	0.8655 mL
50 mM	0.0173 mL	0.0866 mL	0.1731 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

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