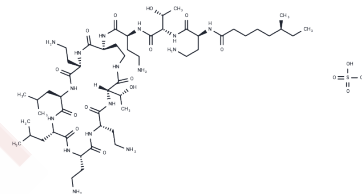


Polymyxin E1 sulfate

Chemical Properties

CAS No. :	207990-63-4
Formula:	C53H100N16O13.XH2SO4
Molecular Weight:	1169.50
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 E1, a peptide antibiotic and key component of the cationic lipopeptide antibiotic colistin, was initially extracted from <i>B. polymyxa</i> . It demonstrates effectiveness against <i>P. aeruginosa</i> and <i>E. coli</i> , with minimum inhibitory concentrations (MICs) of 2 µg/ml and 0.8 µg/ml, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	PBS pH 7.2: 10 mg/mL (8.55 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	0.8551 mL	4.2753 mL	8.5507 mL
5 mM	0.171 mL	0.8551 mL	1.7101 mL
10 mM	0.0855 mL	0.4275 mL	0.8551 mL
50 mM	0.0171 mL	0.0855 mL	0.171 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

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

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