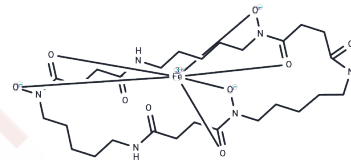


Ferrioxamine E

Chemical Properties

CAS No. :	20008-20-2
Formula:	C ₂₇ H ₄₅ FeN ₆ O ₉
Molecular Weight:	653.53
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Ferrioxamine E is an iron supplement used by both Salmonella and Escherichia coli, a growth promoter for detecting Salmonella in food and industrial applications.
Targets(IC50)	Others,Antibacterial
In vitro	Ferrioxamine E (50 ng/mL, 37°C, oscillating incubation for 24 hours) revived stressed typhimurium serotype cells. [1]

Solubility Information

Solubility	Methanol: 8 mg/mL (12.24 mM),Sonication is recommended. DMSO: 8 mg/mL (12.24 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	1.5302 mL	7.6508 mL	15.3015 mL
5 mM	0.306 mL	1.5302 mL	3.0603 mL
10 mM	0.153 mL	0.7651 mL	1.5302 mL
50 mM	0.0306 mL	0.153 mL	0.306 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

Reissbrodt R, et al. Resuscitation by ferrioxamine E of stressed *Salmonella enterica* serovar typhimurium from soil and water microcosms. *Appl Environ Microbiol.* 2000 Sep;66(9):4128-30.

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