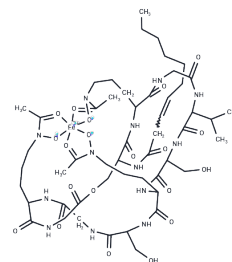


Ferrocin B

Chemical Properties

CAS No. :	114562-40-2
Formula:	C ₅₁ H ₈₂ FeN ₁₃ O ₂₀
Molecular Weight:	1253.12
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	Ferrocin B is an iron-containing cyclic decapeptide antibiotic isolated from the <i>Pseudomonas fluorescens</i> YK-310 strain. It exhibits strong antibacterial properties, primarily targeting Gram-negative bacteria, with a notable inhibitory effect against <i>Pseudomonas aeruginosa</i> . In murine infection models, the half-maximal effective dose (ED ₅₀) of Ferrocin B for <i>P. aeruginosa</i> is 0.593 mg/kg. Ferrocin B is applicable in anti-infective research studies.
Targets(IC ₅₀)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.798 mL	3.990 mL	7.9801 mL
5 mM	0.1596 mL	0.798 mL	1.596 mL
10 mM	0.0798 mL	0.399 mL	0.798 mL
50 mM	0.016 mL	0.0798 mL	0.1596 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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