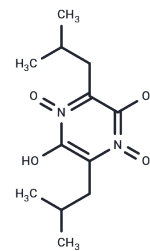


Pulcherriminic acid

Chemical Properties

CAS No. :	957-86-8
Formula:	C ₁₂ H ₂₀ N ₂ O ₄
Molecular Weight:	256.30
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	Pulcherriminic acid, a cyclic dipeptide antimicrobial compound predominantly found in Bacillus and yeast, exhibits a strong affinity for Fe ³⁺ . It chelates iron ions via a non-enzymatic reaction, forming the extracellular red pigment pulcherrimin. This pigment competes for iron nutrition, thereby exerting an antibacterial effect. Pulcherriminic acid holds significant potential for applications in the food, agriculture, and medical industries [1] [2].
Targets(IC50)	Others,Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9017 mL	19.5084 mL	39.0168 mL
5 mM	0.7803 mL	3.9017 mL	7.8034 mL
10 mM	0.3902 mL	1.9508 mL	3.9017 mL
50 mM	0.078 mL	0.3902 mL	0.7803 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.

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