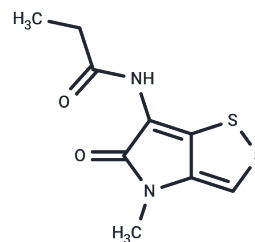


Aureothricin

Chemical Properties

CAS No. :	574-95-8
Formula:	C ₉ H ₁₀ N ₂ O ₂ S ₂
Molecular Weight:	242.32
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	Aureothricin, a dithiopyrrolone (DTP) antibiotic originally derived from Streptomyces, demonstrates a broad-spectrum of antibacterial effectiveness. Additionally, it inhibits the adhesion of human umbilical vein endothelial cells (HUVECs) to vitronectin[1].
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1268 mL	20.6339 mL	41.2677 mL
5 mM	0.8254 mL	4.1268 mL	8.2535 mL
10 mM	0.4127 mL	2.0634 mL	4.1268 mL
50 mM	0.0825 mL	0.4127 mL	0.8254 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

Li B, et al. Dithiopyrrolones: biosynthesis, synthesis, and activity of a unique class of disulfide-containing antibiotics. Nat Prod Rep. 2014 Jul;31(7):905-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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