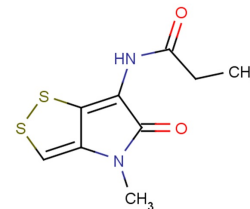


Aureothricin

Chemical Properties

CAS No.:	574-95-8
Formula:	C ₉ H ₁₀ N ₂ O ₂ S ₂
Molecular Weight:	242.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Aureothricin is a dithiolopyrrolone (DTP) antibiotic first isolated from <i>Streptomyces</i> and exhibits relatively broad-spectrum antibiotic activity, and it also can inhibit adhesion of human umbilical vein endothelial cells (HUVECs) to vitronectin[1].
Targets(IC ₅₀)	Bacterial: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.127 mL	20.634 mL	41.268 mL
5 mM	0.825 mL	4.127 mL	8.254 mL
10 mM	0.413 mL	2.063 mL	4.127 mL
50 mM	0.083 mL	0.413 mL	0.825 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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