

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Aureothricin

Product overview

Name	Aureothricin
Cat No	HB3786
Purity	>98%
Description	RNA polymerase inhibitor

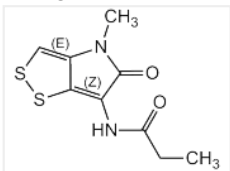
Biological Data

Biological description	Antibiotic. Active against Gram-positive and Gram-negative bacteria, yeast, filamentous fungi, protozoa and insects. Potent bacterial and yeast RNA polymerases inhibitor. Inhibitor of fungal mannan and glucan formation. Similar to thiolutin. Antitumor compound.
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	N-(4-Methyl-5-oxo-4,5-dihydro-dithiopyrrol-6-yl)propionamide
Molecular Weight	242.3
Chemical structure	 The chemical structure of Aureothricin is shown. It consists of a five-membered dithiopyrrol ring with two sulfur atoms (S) and one nitrogen atom (N). The nitrogen atom is substituted with a methyl group (CH3) and a carbonyl group (C=O). The carbonyl group is further substituted with a propionamide group (-NH-C(=O)-CH2-CH3). The ring also has two double bonds, one labeled (E) and one labeled (Z).
CAS Number	574-95-8
PubChem identifier	0
SMILES	CCC(=O)NC1=C2SSC=C2N(C)C1=O
InChiKey	UGZYFXMSMFMTSM-UHFFFAOYSA-N
Appearance	Yellow powder