



LKT Laboratories, Inc.

Aureothricin

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Product Information

Product ID A822686
CAS No. 574-95-8
Chemical Name N-(4-methyl-5-oxodithiolo[4,3-b]pyrrol-6-yl)propanamide

Synonym Farcinicin, Propionylpyrrothione; UNII-0KX00L19Q2;
0KX00L19Q2

Formula C₉H₁₀N₂O₂S₂

Formula Wt. 242.31

Melting Point

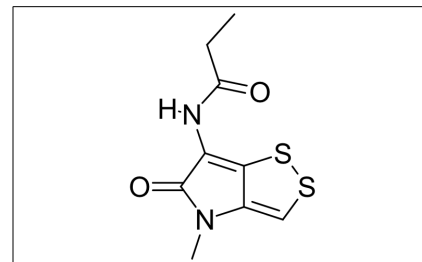
Purity ≥98%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description Aureothricin is a member of the dithiopyrrolone family of antibiotics that are synthesized by *Streptomyces* species. Aureothricin is a chemical analog of thiolutin, another member of this family. The dithiopyrrolone family members contain a heterobicyclic core with a disulfide bridge between two ene-thiols. The dithiopyrrolone core gives these antibiotics a characteristic electronically unique structure.



Bulk quantities available upon request

Product ID	Size
A822686	1 mg
A822686	5 mg
A822686	10 mg

References Huang S, Yu Y. [Biosynthesis and metabolic engineering of dithiopyrrolone- A review]. *Wei Sheng Wu Xue Bao*. 2016 Mar 4;56(3):383-396. PMID: 27382782.

Zhai Y, Bai S, Liu J, et al. Identification of an unusual type II thioesterase in the dithiopyrrolone antibiotics biosynthetic pathway. *Biochem Biophys Res Commun*. 2016 Apr 22;473(1):329-335. PMID: 27018252.

Li B, Wever WJ, Walsh CT, et al. Dithiopyrrolones: biosynthesis, synthesis, and activity of a unique class of disulfide-containing antibiotics. *Nat Prod Rep*. 2014 Jul;31(7):905-923. PMID: 24835149.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.