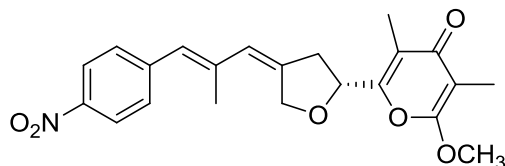


Aureothin

Code No.: **BIA-A1009**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Distacin, Mycolutein, 74A", JA 2814K

Specifications

CAS #	: 2825-00-5
Molecular Formula	: C ₂₂ H ₂₃ NO ₆
Molecular Weight	: 397.4
Source	: <i>Streptomyces</i> sp.
Appearance	: Pale yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Aureothin, an unusual pyranone metabolite, has broad biological actions including antitumor, antimicrobial and insecticidal activities. Aureothin acts by inhibiting oxidoreductase. More recently, aureothin has been shown to be a potent inhibitor of *Helicobacter pylori*.

References

1. Gamma-pyrone compounds with selective and potent anti-*Helicobacter pylori* activity. Taniguchi M. et al., J Antibiot. 2000, 53, 844.
2. Two binding sites of inhibitors in NADH: ubiquinone oxidoreductase (complex I). Relationship of one site with the ubiquinone-binding site of bacterial glucose:ubiquinone oxidoreductase. Friedrich T. et al., Eur J Biochem. 1994, 219, 691.