

Product Name:	Aureothin
Product Number:	A134
CAS Number:	2825-00-5
Molecular Formula:	$C_{22}H_{23}NO_6$
Molecular Weight:	397.4
Appearance:	Pale yellow solid
Storage Conditions:	-20°C
Description:	<p>Aureothin, an unusual pyranone metabolite, has broad biological actions including antitumor, antimicrobial and insecticidal activities. More recently, aureothin has been shown to be a potent inhibitor of <i>Helicobacter pylori</i>.</p> <p>Aureothin is soluble in ethanol, methanol, DMF and DMSO and has limited water solubility.</p>
Mechanism of Action:	Aureothin acts by inhibiting oxidoreductase.
References:	<p>Gamma-pyrone compounds with selective and potent anti-<i>Helicobacter pylori</i> activity. Taniguchi M. et al. J Antibiot. 2000, 53, 844.</p> <p>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.</p>