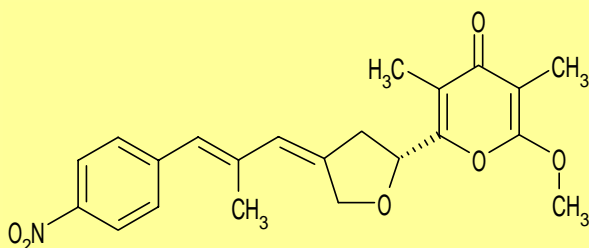


## Structure

**Origin:** *Streptomyces* sp.**CAS Registry Number:** 2825-00-5**CA Index Name:****Appearance:** yellow solid**Molecular Formula/ Weight:** C<sub>22</sub>H<sub>23</sub>NO<sub>6</sub>=397.43**Melting Point:** 150-154 | **Purity:** 95>% by HPLC**Solubility:** Sol. Acetone, Chloroform, MeOH, EtOAc  
Inso. Water, Hexane**Background Information:**

Aureothin was isolated from the culture of the *Streptomyces thioluteus*<sup>1)</sup>. Aureothin, an unusual pyranone metabolite, has broad biological actions including antitumor, antimicrobial and insecticidal activities. Aureothin acts by inhibition of oxidoreductase<sup>2)</sup>. In recent year, it was reported to be a potent inhibitor of *Helicobacter pylori*<sup>3)</sup>.

**Handling and Storage:**

Store at -20 .

**References:**

1. F. Washizu, et al. J Antibiot. **7**, 60 (1954).
2. T. Friedrich, et al. Eur J Biochem. **219**, 691-698 (1994).
3. M. Taniguchi, et al. J Antibiot. **53**, 844-847 (2000).

