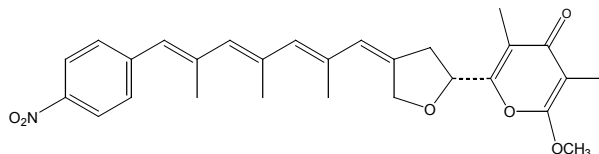


Neoauoreothin

Code: **BIA-N1058**

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



Synonyms : **Spectabilin, NSC260179**

Specifications

CAS # : **28900-27-8, 59795-94-7**
Molecular Formula : **C₂₈H₃₁NO₆**
Molecular Weight : **477.6**
Source : ***Streptomyces* sp. MST-AS5379**
Appearance : **Orange solid**
Purity : **> 98% by HPLC**
Long Term Storage : **-20°C, protect from light**
Solubility : **Soluble in acetone, DMF or DMSO.**

Application Notes

Neoauoreothin is an unusual chain-extended analogue of aureothin. It was first reported as a co-metabolite of neoantimycin in *Streptomyces orinoci*. It has been reported to have anti-HIV and antifungal activity. In-house bioassays have shown this metabolite to possess potent nematocidal and antitumor activity, with limited antifungal activity. Recent investigations have identified two photo-isomers of neoauoreothin, Antibiotics SNF4435C and D, as potent immunosuppressive agents.

References

1. New antibiotics produced by *Streptoverticillium orinoci*, n. sp. Cassinelli G. et al. *Arch. Mikrobiol.* **1967**, 55, 358.