Toxoflavin

Synonyms: 1-Methylreumycin, PKF118-310, Xanthrothricin

Specifications

- CAS #: 84-82-2
- Molecular Formula: C_{7}H_{7}N_{5}O_{2}
- Molecular Weight: 193.2
- Source: Streptomyces sp.
- Appearance: Yellow solid
- Purity: >98% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Toxoflavin is a distinctive yellow pigment produced by some species of Pseudomonas and Streptomyces. Toxoflavin is one of two toxins produced when a fermented coconut drink, Tempe bonkrek, is contaminated with P. cocovenenans. Toxoflavin (PKF 118-310) is a potent antagonist of Tcf4/beta-catenin signalling, inhibiting the expression of survivin and inducing apoptosis in several tumor cell lines.

References