Steffimycin B

Synonyms: U 40615

Specifications

- CAS #: 54526-94-2
- Molecular Formula: C_{29}H_{32}O_{13}
- Molecular Weight: 588.6
- Source: Streptomyces sp.
- Appearance: Orange Lyophilisate
- Purity: >99% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Steffimycin B is an anthracycline metabolite isolated from a Streptomyces sp. with antibacterial and antineoplastic properties. Crystallographic studies of binding to DNA suggest that it has a higher CpG base sequence specificity over the TpA step, similar to that of daunorubicin and nogalamycin. A close analogue was shown to be active against ras oncogene-expressed cells.

References