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