L 156602

Synonyms: Antibiotic L 16602

Specifications

- CAS #: 125228-51-5
- Molecular Formula: C_{38}H_{64}N_{8}O_{13}
- Molecular Weight: 841.0
- Source: Streptomyces sp.
- Appearance: White solid off white light tan
- Purity: >95% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

L 156602 is a cyclic hexapeptide isolated from a strain of Streptomyces by researchers at Merck USA and reported in 1991. L 156602 belongs to the aurantimycin class and, like other members, is active against Gram positive bacteria. L 156602 was foremost discovered as a competitive binding inhibitor of the inflammatory peptide, C5a, to cell surface receptors on macrophages. In vivo, L 156602 profoundly suppresses footpad edema induced by concanavalin A and completely suppresses the infiltration of mononuclear leukocytes and neutrophils into the site of inflammation.

References