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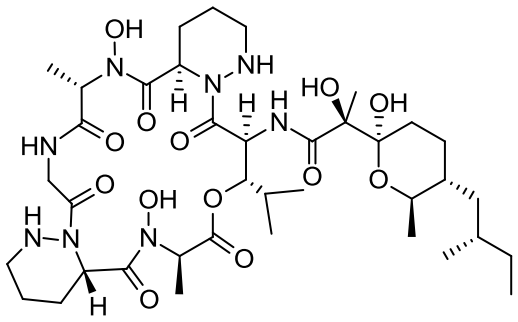
PRODUCT DATA SHEET

L 156602

Code No.: **BIA-L1621**

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



Synonyms : Antibiotic L 16602

Specifications

CAS #	:	**125528-51-5**
Molecular Formula	:	**$C_{38}H_{64}N_8O_{13}$**
Molecular Weight	:	**840.5**
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

1. L-156,602, a C5a antagonist with a novel cyclic hexadepsipeptide structure from Streptomyces sp. MA6348. Fermentation, isolation and structure determination. Hensens O.D. et al. J. Antibiot. 1991, 44, 249.
2. Anti-inflammatory effects and specificity of L-156,602: comparison of effects on concanavalin A and zymosan-induced footpad edema, and contact sensitivity response. Tsuji R.F. et al. Immunopharmacology 1995, 29, 79.

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