

Product Name: L-156602

Product Number: L021

CAS Number: 125528-51-5

Molecular Formula: $C_{38}H_{64}N_8O_{13}$

Molecular Weight: 840.5

Appearance: White solid off white light tan

Storage Conditions: -20°C

Description: 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.

L-156602 is soluble in ethanol, methanol, DMF or DMSO.

References: 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.

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.