

Product Name: Desertomycin A

Product Number: D047

CAS Number: 121820-50-6

Molecular Formula: $C_{61}H_{109}NO_{21}$

Molecular Weight: 1192.5

Appearance: White solid

Storage Conditions: -20°C

Description: Desertomycin A is a 42-membered macrocyclic lactone with broad spectrum activity against Gram positive and Gram negative bacteria, yeasts and fungi. There has been little investigation into the mode of action of desertomycin A.

Desertomycin A is soluble in ethanol, methanol, DMF and DMSO.

References: Desertomycin, a new crystalline antibiotic with antibacterial and cytostatic action. Uri J. et al. Nature (London) 1958, 182, 401.

Structure elucidation of the antibiotic desertomycin through the use of new two-dimensional NMR techniques. Bax A. et al. J. Am. Chem. Soc., 1986, 108, 8056 .

New macrolactone of the desertomycin family from Streptomyces spectabilis. Ivanova V. et al. Prep. Biochem. Biotechnol. 1997, 27, 19.