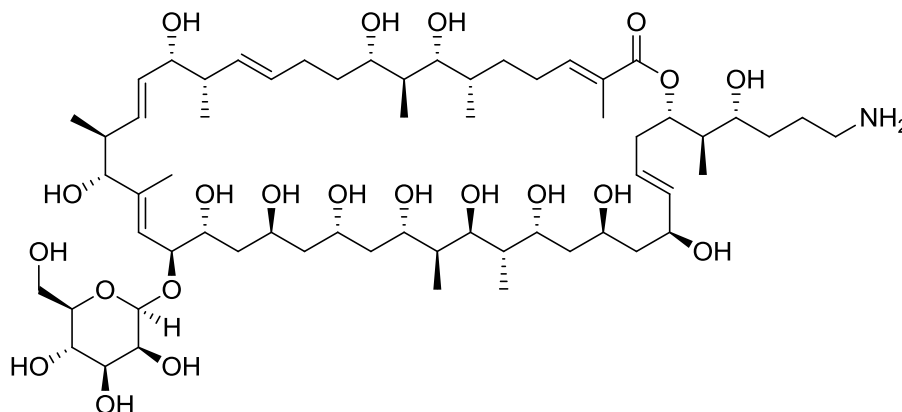


Desertomycin A

Code No.: **BIA-D1294**

Pack sizes: **1 mg, 5 mg**



Synonyms : U 64767, 1012-A

Specifications

CAS #	: 121820-50-6
Molecular Formula	: $C_{61}H_{109}NO_{21}$
Molecular Weight	: 1192.5
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

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.

References

1. Desertomycin, a new crystalline antibiotic with antibacterial and cytostatic action. Uri J. et al., Nature (London) 1958, 182, 401.
2. 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 .
3. New macrolactone of the desertomycin family from *Streptomyces spectabilis*. Ivanova V. et al., Prep. Biochem. Biotechnol. 1997, 27, 19.