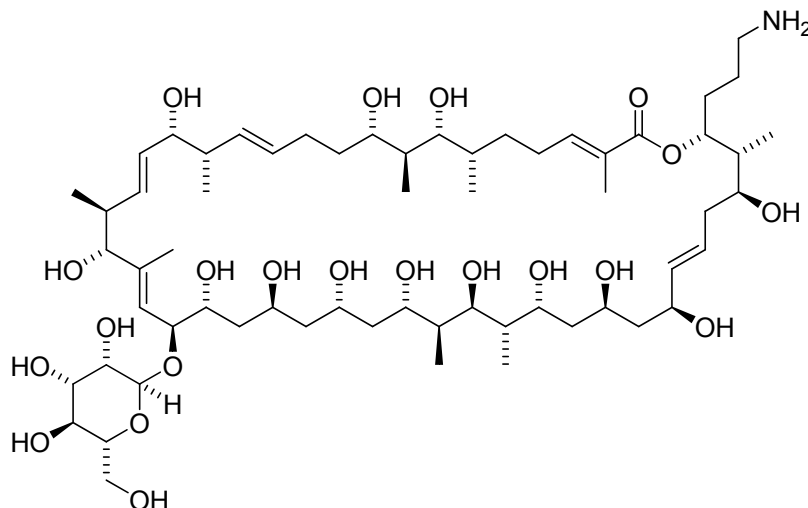


## Desertomycin A

Code: **BIA-D1294**

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



Synonyms : **Antibiotic U 64767, Antibiotic 1012-A**

### Specifications

CAS # : **121820-50-6**  
Molecular Formula : **C<sub>61</sub>H<sub>109</sub>NO<sub>21</sub>**  
Molecular Weight : **1192.5**  
Source : ***Streptomyces* sp.**  
Appearance : **White solid**  
Purity : **>95%**  
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 +ve and Gram -ve 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.