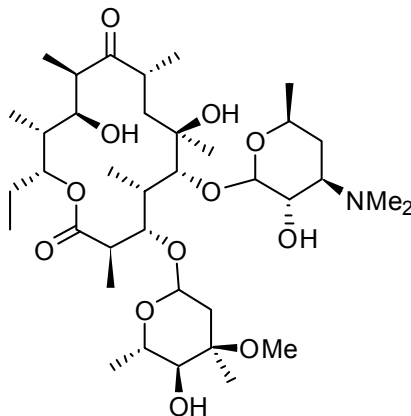


Erythromycin B

Code: **BIA-E1350**

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



Synonyms : **12-Dexoyerythromycin, Berythromycin**

Specifications

CAS # : **527-75-3**
Molecular Formula : **C₃₇H₆₇NO₁₂**
Molecular Weight : **717.9**
Source : ***Saccharopolyspora erythraea***
Appearance : **White solid**
Purity : **>98%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.**

Application Notes

Erythromycin B (12-deoxyerythromycin A) is a minor co-metabolite of erythromycin produced by fermentation of *Saccharopolyspora erythraea*. Erythromycin B exhibits broad spectrum antibiotic activity, albeit less potent than erythromycin A. Erythromycin B played an integral part of the structure activity relationship studies of semi-synthetic erythromycins, however none reached clinical development.

References

1. HPLC as a rapid means of monitoring erythromycin and tetracycline fermentation processes. Tsuii K. & Goetz J.F. J. Antibiot. **1978**, 31, 302.
2. Antibacterial activities of erythromycins A, B, C, and D and some of their derivatives. Kibwage O. *et al.* Antimicrob. Agents Chemother. **1985**, 28, 630.