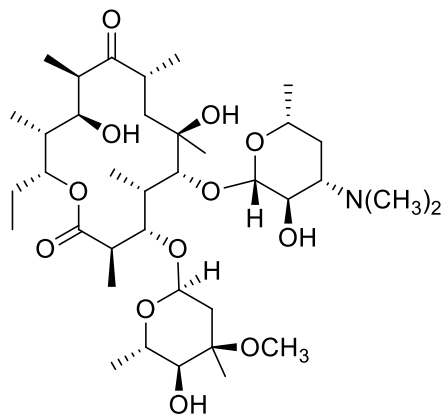


Erythromycin B

Code No.: **BIA-E1350**

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



Synonyms : 12-Deoxyerythromycin, Berythromycin

Specifications

CAS #	: 527-75-3
Molecular Formula	: C ₃₇ H ₆₇ NO ₁₂
Molecular Weight	: 717.9
Source	: <i>Saccharopolyspora erythraea</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term 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 *Saccharopolyspora erythraea*. Erythromycin B exhibits broad spectrum antibiotic activity, albeit less potent than erythromycin A. Erythromycin B played an integral part of the SAR 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.