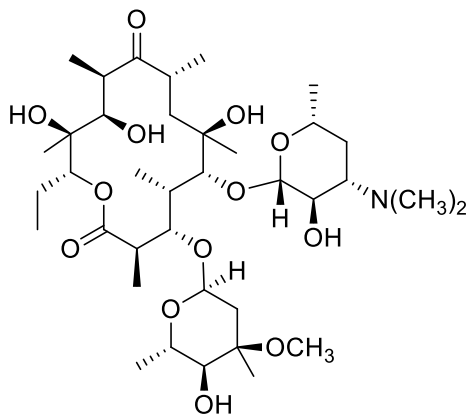


## Erythromycin A

Code No.: **BIA-E1311**

Pack sizes: **5 mg, 25 mg**



Synonyms : Ilotycin, Erythromycin

### Specifications

CAS #	: 114-07-8
Molecular Formula	: C <sub>37</sub> H <sub>67</sub> NO <sub>13</sub>
Molecular Weight	: 733.9
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 A is a 14-membered macrocyclic lactone with broad spectrum antibiotic activity, isolated from *Saccharopolyspora erythraea* (formerly *Streptomyces erythreus*) in 1952. Erythromycin is one of only a handful of microbial metabolites to have profoundly shaped the treatment of bacterial disease in the last 50 years. Erythromycin has given rise to new generations of semi-synthetic derivatives with improved stability and potency. Our product has been HPLC-purified to remove contaminants and degradation products.

### References

1. Ilotycin, a new antibiotic. McGuire J.M. et al., *Antibiot. Chemother.* 1952, 2, 281.2. *Macrolide antibiotics, chemistry, biology and practice.* Ed. Omura S. Academic Press 2002.