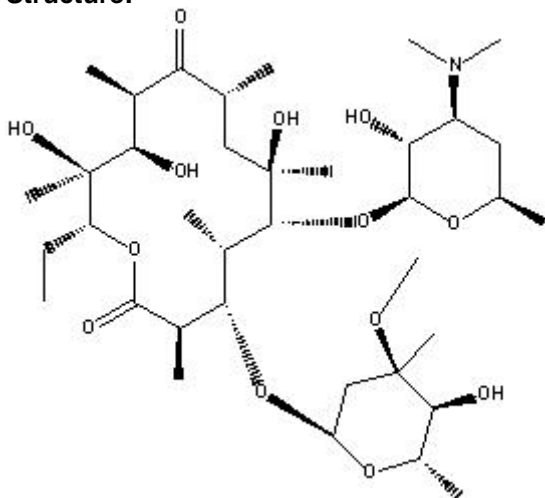


## TECHNICAL INFORMATION

Catalog Number: 190197, 194529

### Erythromycin

#### Structure:



**Molecular Formula:** C<sub>37</sub>H<sub>67</sub>NO<sub>13</sub>

**Molecular Weight:** 733.95

**CAS #** 114-07-8

**Description:** An antibiotic which inhibits bacterial protein synthesis by binding to the ribosomes.<sup>2</sup> Used in cell culture applications at approximately 100 mg/liter. Erythromycin resistance can be induced in bacteria.<sup>13</sup> Stable for approximately 3 days at 37°C.<sup>14</sup>

**Solubility:** Slightly soluble in water (~2 mg/ml); Moderately soluble in ether, ethylene dichloride, amyl acetate; freely soluble in alcohols, acetone, chloroform, acetonitrile, ethyl acetate. Soluble in 2 M Hydrochloric acid (50 mg/ml). Stock solutions can be stored refrigerated for approximately 2 to 3 months. Stable at 37°C for 3 days.<sup>14</sup>

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