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**Product Data Sheet**


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Product Name: Erythromycin C

Cat. No.: GC18499

**Chemical Properties**

Cas. No. 1675-02-1

Chemical Name 3"-O-demethyl-erythromycin

SMILES C[C@H]1[C@H](O)[C@@](O)(C)C[C@@](O[C@H]([C@@H](C)C(O[C@H](CC)[C@]([C@H](O)[C@H]2C)(O)C)=O)[C@H](C)[C@@H](O[C@@]3([H])[C@H](O)[C@@H](N(C)C)C[C@@H](C)O3)[C@](C)(O)C[C@@H](C)C2=O)([H])O1

Formula C<sub>36</sub>H<sub>65</sub>NO<sub>13</sub> M.Wt 719.9

Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble, Water: limited solubility

Store Storage at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Erythromycin C is an intermediate in the biosynthesis of erythromycin. It is also a potential impurity found in commercial preparations of erythromycin. Erythromycin C is half as active or less than erythromycin A or B against most Gram-positive and Gram-negative bacteria tested.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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