

Product Data Sheet

Product Name: Anhydroerythromycin A

Cat. No.: GC40850

Chemical Properties

Cas. No. 23893-13-2

SMILES C[C@@H]1C[C@@]([C@H](O[C@@]2([H])[C@H](O)[C@@H](N(C)C)C[C@@H](C)O2)[C@@H](C)[C@H](O[C@@]3([H])C[C@@](C)(OC)[C@@H](O)[C@H](C)O3)[C@H]4C)(C)O[C@]51[C@H](C)[C@@H](O)[C@@](O5)(C)[C@@H](CC)OC4=O

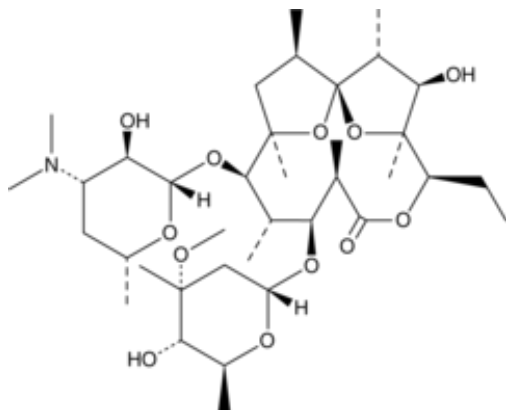
Formula C37H65NO12 M.Wt 715.9

Solubility DMF: soluble, DMSO: Storage Store at -20°C
soluble, Ethanol: soluble, Methanol: soluble

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



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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

Anhydroerythromycin A is a degradation product of the macrolide antibiotic erythromycin . It is formed via degradation of erythromycin in acidic aqueous solutions in vitro as well as in vivo.

Anhydroerythromycin A is active against *S. aureus* and *B. cereus* in vitro (MICs = 12.5 and 6.25 µg/ml, respectively). It also inhibits steroid 6β-hydroxylase activity associated with the cytochrome P450 (CYP) isoform CYP3A in human liver microsomes.

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