

Product Data Sheet

Product Name: Deethylindanomycin

Cat. No.: GC43395

Chemical Properties

Cas. No. 106803-22-9

SMILES O=C(C1=CC=CN1)[C@H]2[C@@]3([H])[C@](CCC3)([H])C=C[C@H]2/C=C/C=C(CC)/[C@@H]4O[C@]([C@@H](C)C(O)=O)([H])CC[C@@H]4C

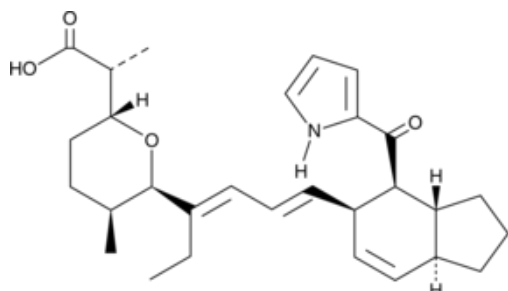
Formula C₂₉H₃₉NO₄ M.Wt 465.6

Solubility Soluble in DMSO Storage Store at -20°C

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

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

Structure



Background

Deethylindanomycin is a polyether antibiotic that has been found in *S. setonii*. It is active against a variety of Gram-positive bacteria, including various strains of *S. aureus* and *Streptococcus*, as well as one strain of *S. pneumoniae* (MICs = 4, 4, and 2 µg/ml, respectively). It is also active against coccidia in vitro, inhibiting *E. tenella* development, but is inactive against *E. tenella* infection in chicks when administered at a dose of 200 µg/g in the diet. Deethylindanomycin acts as an ionophore in lipid bilayer membranes and is more selective for potassium ions than calcium, magnesium, and sodium ions. It induces histamine release from rodent mast cells and human basophils in vitro in a calcium-dependent manner.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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