

Product Data Sheet

Product Name: Actinopyrone A

Cat. No.: GC41316

Chemical Properties

Cas. No. 88378-59-0

SMILES COC1=C(C)C(C(C)=C(C/C=C(C)/C/C=C/C(C)=C/[C@@H](C)[C@@H](O)/C(C)=C/C)O1)=O

Formula C₂₅H₃₆O₄

M.Wt 400.6

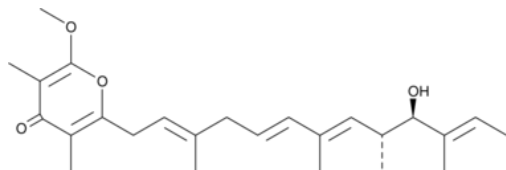
Solubility Soluble in DMSO

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

Actinopyrone A is a pyrone isolated from *S. pactum* with diverse biological activities. It has selective and potent antimicrobial activity against *H. pylori* (MIC = 0.1 ng/mL) with no activity against other Gram-negative bacteria including *E. coli*, *K. pneumoniae*, *P. aeruginosa*, and *B. fragilis*. Actinopyrone A also mildly inhibits growth of Gram-positive bacteria and dermatophytes with MIC values ranging from <6.25 to 25 µg/mL. Intravenous administration of actinopyrone A (30 µg/kg) increases coronary blood flow in dogs by 196.2%.

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

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