

Product Data Sheet

Product Name: Setomimycin

Cat. No.: GC44884

Chemical Properties

Cas. No. 69431-87-4

SMILES CC(C(C(C)=O)C1=C(C2=C3C(C(CC(C)(O)C3C(C)=O)=O)=C(O)C4=C(O)C=CC=C24)C5=CC=CC(O)=C5C(O)=C16)=CC6=O

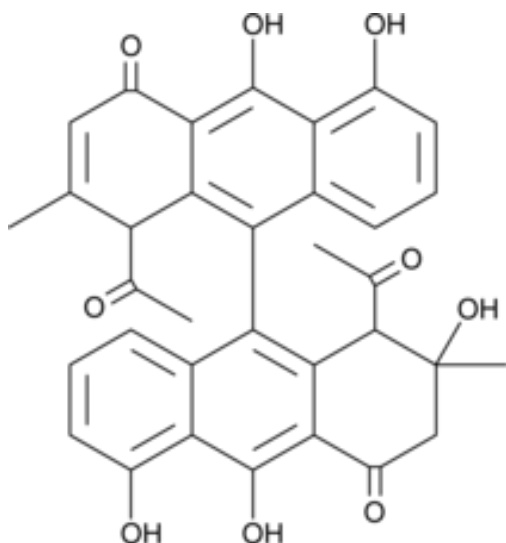
Formula C₃₄H₂₈O₉ M.Wt 580.6

Solubility Chloroform: soluble, DMSO: soluble Storage Store 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

Setomimycin is a pre-anthraquinone originally isolated from *S. pseudovenezuelae*. It is active against a variety of Gram-positive bacteria, including *S. aureus*, *B. subtilis*, *B. cereus*, and *M. smegmatis* (MICs = 1.56-3.13 µg/ml). It also reduces tumor growth in a Sarcoma-180 mouse solid tumor model when administered at a dose of 200 mg/kg per day for seven days.

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