

Product Data Sheet

Product Name: Deacetylravidomycin

Cat. No.: GC43390

Chemical Properties

Cas. No. 88580-27-2

SMILES CN(C)[C@@H]1[C@@H](O)[C@H](C2=CC=C(O)C3=C(OC)C=C(C4=C(OC)C=C(C=C)C=C4C(O5)=O)C5=C32)O[C@H](C)[C@@H]1O

Formula C₂₉H₃₁NO₈

M.Wt 521.6

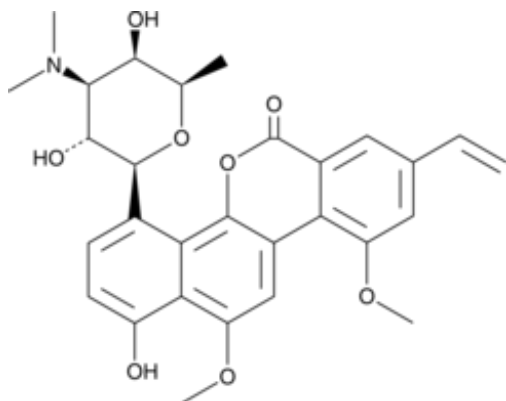
Solubility Soluble in DMSO

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

Deacetylravidomycin is a microbial metabolite that has been found in *Streptomyces* and has light-dependent antibiotic and anticancer activities. It is active against Gram-positive bacteria, including *B. subtilis*, *S. aureus*, *S. epidermidis*, and *E. faecalis* (MICs = 0.78-1.56 and <0.006-0.049 µg/ml in the absence and presence of fluorescent light, respectively). Deacetylravidomycin also reduces colony formation by human colon cancer cells in a clonogenic assay in a light-dependent manner.

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

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