

Product Data Sheet

Product Name: OM173- α A

Cat. No.: GC40684

Chemical Properties

Cas. No. 58286-56-9

SMILES OC1=C2C(C(C(C[C@H](CC(OC)=O)O[C@H]3C)=C3C2=O)=O)=CC=C1

Formula C₁₇H₁₆O₆

M.Wt 316.3

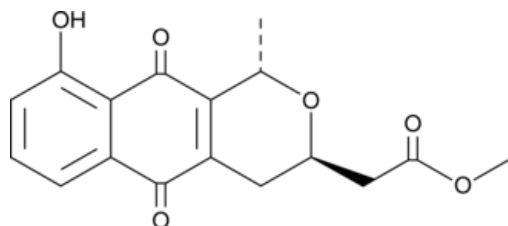
Solubility DMSO: Soluble, Ethanol: 1
mg/ml, Methanol: Soluble

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

OM173- α A is a quinone bacterial metabolite originally isolated from *Streptomyces* that has antimicrobial activity. It inhibits the growth of the bacteria *M. gallisepticum*, *M. pneumoniae*, and *S. aureus* in vitro with MIC values ranging from 0.39 to 3.13 μ g/ml. OM173- α A also inhibits the growth of the plant pathogenic fungus *P. oryzae* (MIC = 3.12 μ g/ml) and several species of *Trichophyton* (MICs = 12.5-25 μ g/ml).

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

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