

Product Data Sheet

Product Name: ϵ -Rhodomycinone

Cat. No.: GC48532

Chemical Properties

Cas. No. 21288-60-8

SMILES COC([C@@H]1C2=C([C@H](C[C@]1(O)CC)O)C(O)=C3C(C(C4=CC=CC(O)=C4C3=O)=O)=C2O)=O

Formula C₂₂H₂₀O₉

M.Wt 428.4

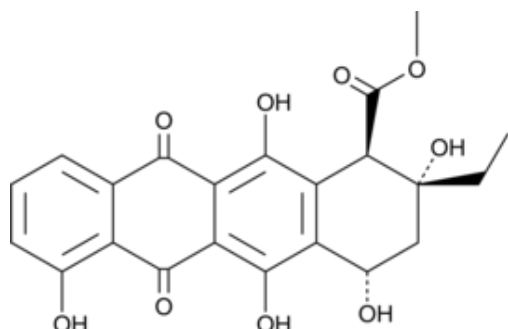
Solubility

Storage -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

ϵ -Rhodomycinone is a bacterial metabolite that has been found in *S. griseoruber*.¹ It is a precursor to rhodomycin D, which is an intermediate in the bioconversion of ϵ -rhodomycinone to daunorubicin and doxorubicin.^{2,3}

1. Podojil, M., Blumauerová, M., Píkrýlová, V., et al. Production of rhodomycins in *Streptomyces griseoruber* 4620 Folia Microbiol. (Praha) 25(6) 464-466 (1980)
2. Olano, C., Lomovskaya, N., Fonstein, L., et al. A two-plasmid system for the glycosylation of polyketide antibiotics: Bioconversion of ϵ -rhodomycinone to rhodomycin D Chem. Biol. 6(12) 845-855 (1999)
3. Dickens, M.L., Priestley, N.D., and Strohl, W.R. In vivo and in vitro bioconversion of ϵ -rhodomycinone glycoside to doxorubicin: Functions

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

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of DauP, DauK, and DoxAJ. Bacteriol.179(8)2641-2650(1997)

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