
Product Data Sheet

Product Name: Reticulol
Cat. No.: GC18751

Chemical Properties

Cas. No. 26246-41-3

Chemical Name 6,8-dihydroxy-7-methoxy-3-methyl-1H-2-benzopyran-1-one

SMILES COC1=C(O)C=C2C(C(OC(C)=C2)=O)=C1O

Formula $C_{11}H_{10}O_5$ M.Wt 222.2

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

Reticulol is an isocoumarin derivative produced by certain species of Streptomyces that inhibits cAMP phosphodiesterase (IC₅₀ = 41 μM). It also inhibits DNA topoisomerase I when used at a concentration of 45 μM in B16F10 melanoma cells. Reticulol has antifungal activity against T. mentagrophyes with a MIC of 1.8 μM. It is cytotoxic against A427 human lung and B16F10 mouse melanoma cells at concentrations of 25 and 200 μM, respectively, and inhibits lung metastasis in mice.

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