

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

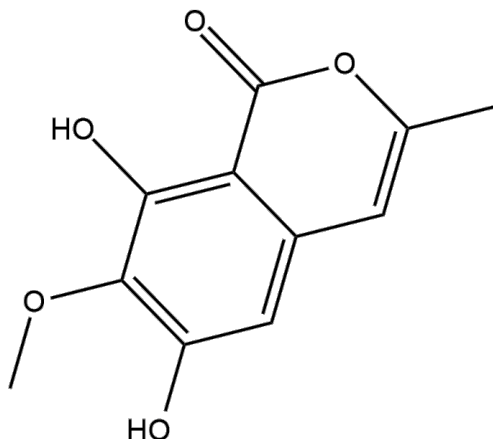
Formula $C_{11}H_{10}O_5$ M.Wt 222.2

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 ($IC_{50} = 41 \mu M$). 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

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

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