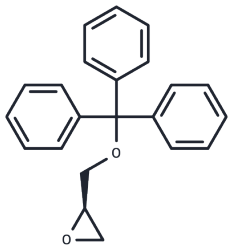
Data Sheet (Cat.No.T38040)

TargetMol

(R)-(+)-Trityl glycidyl ether

Chemical Properties



CAS No. : 65291-30-7

Formula: C22H20O2

Molecular Weight: 316.39

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	(R)-(+)-Trityl glycidyl ether is a precursor that has been used in the synthesis of glycerophospholipids, as well as compounds with antiviral and antimalarial activities. 1,2,3
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL (3.16 mM),Sonication is recommended. DMF: 10 mg/mL (31.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1607 mL	15.8033 mL	31.6066 mL
5 mM	0.6321 mL	3.1607 mL	6.3213 mL
10 mM	0.3161 mL	1.5803 mL	3.1607 mL
50 mM	0.0632 mL	0.3161 mL	0.6321 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hendrickson, H.S., and Hendrickson, E.K.A facile asymmetric synthesis of glycerol phospholipids via tritylglycidol prepared by the asymmetric epoxidation of allyl alcohol. Thiolester and thioether analogs of phosphatidylcholineChem. Phys. Lipids53(1)115-120(1990)

Baszczyski, O., Jansa, P., Dra?ínskY, M., et al.Synthesis and antiviral activity of N9-[3-fluoro-2-(phosphonomethoxy)propyl] analogues derived from N6-substituted adenines and 2,6-diaminopurinesBioorg. Med. Chem.19(7)2114-2124(2011)

Sato, E., Morita, M., Ogawa, H., et al.Design, synthesis and anti-malarial activities of synthetic analogs of biselyngbyolide B, a Ca2+ pump inhibitor from marine cyanobacteriaBioorg. Med. Chem. Lett.28(3)298-301(2018)