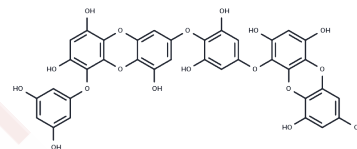


Dieckol

Chemical Properties

CAS No. :	88095-77-6
Formula:	C ₃₆ H ₂₂ O ₁₈
Molecular Weight:	742.55
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Dieckol, a rhizomycin found in some brown algae species, has antimicrobial, anticancer, antioxidant, antiaging, antidiabetic, and neuroprotective effects, ameliorates acute hearing loss, and inhibits cell proliferation through cell cycle arrest in human tracheal fibroblasts via Hs680.Tr.
Targets(IC50)	Antioxidant, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3467 mL	6.7336 mL	13.4671 mL
5 mM	0.2693 mL	1.3467 mL	2.6934 mL
10 mM	0.1347 mL	0.6734 mL	1.3467 mL
50 mM	0.0269 mL	0.1347 mL	0.2693 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

Durairaj Karthick Rajan, et al. Dieckol: a brown algal phlorotannin with biological potential. Biomed Pharmacother. 2021 Oct;142:111988.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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