

Phloroglucide

Chemical Properties

CAS No. :	491-45-2
Formula:	C ₁₂ H ₁₀ O ₅
Molecular Weight:	234.21
Storage:	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	Phloroglucide is a natural product derived from phloroglucinols isolated from <i>Dryopteris aemula</i> collected in the Azores and Brittany (France), as well as from <i>Dryopteris azorica</i> and <i>Dryopteris crispifolia</i> , a tetraploid species endemic to the Azores. The natural occurrence of Phloroglucide in multiple <i>Dryopteris</i> species supports the use of Phloroglucide in phytochemical, taxonomic, natural product, and secondary metabolite research.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 140.00 mg/mL (597.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2697 mL	21.3484 mL	42.6967 mL
5 mM	0.8539 mL	4.2697 mL	8.5393 mL
10 mM	0.427 mL	2.1348 mL	4.2697 mL
50 mM	0.0854 mL	0.427 mL	0.8539 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

Harada, et al. Pharmaceutical Studies on Ferns. III. YAKUGAKU ZASSHI, 72(1), 153-154.

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