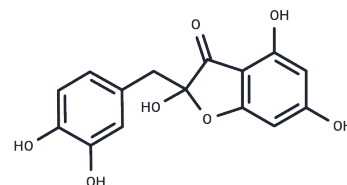


Alphitonin

Chemical Properties

CAS No. :	493-36-7
Formula:	C ₁₅ H ₁₂ O ₇
Molecular Weight:	304.25
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Alphitonin is a flavonoid that has been found in <i>L. leptolepis</i> wood. ¹ It is also a metabolic intermediate that is formed during the catabolism of quercetin by the human gut bacteria <i>E. ramulus</i> . ^{2,3}
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Solubility Information

Solubility	DMF: Soluble Methanol: Soluble Ethanol: Soluble DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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.

Reference

Chen, K., Ohmura, W., Doi, S., et al. Termite feeding deterrent from Japanese larch wood. *Bioresour. Technol.* 95 (2), 129-134 (2004).

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