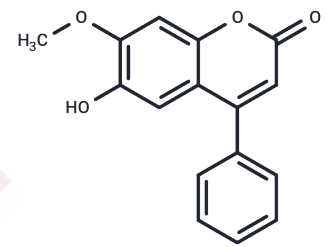


Dalbergin

Chemical Properties

CAS No. :	482-83-7
Formula:	C ₁₆ H ₁₂ O ₄
Molecular Weight:	268.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. Dalbergin (6-Hydroxy-7-Methoxy-4-Phenylcoumarin) exhibits similar bone conserving effect against bone-loss as estradiol treatment, it as a therapeutic candidate against postmenopausal osteoporosis. 2. Dalbergin prevents some effects of photoaging and maintain skin integrity by regulating the degradation of the extracellular matrix proteins.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: 10 mg/mL (37.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 1 mg/mL (3.73 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7277 mL	18.6386 mL	37.2773 mL
5 mM	0.7455 mL	3.7277 mL	7.4555 mL
10 mM	0.3728 mL	1.8639 mL	3.7277 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 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

Choudhary D , Kushwaha P , Gautam J , et al. Fast and long acting neoflavonoids dalbergin isolated from Dalbergia sissoo heartwood is osteoprotective in ovariectomized model of osteoporosis: Osteoprotective effect of Dalbergin[J]. Biomedicine & Pharmacotherapy, 2016, 83:942-957.

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