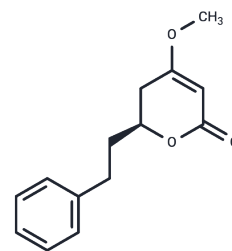


Dihydrokavain

Chemical Properties

CAS No. :	587-63-3
Formula:	C ₁₄ H ₁₆ O ₃
Molecular Weight:	232.27
Storage:	Keep away from direct sunlight 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	Dihydrokavain (Marindinin), a prominent kavalactone in the kava plant, significantly contributes to the plant's anxiolytic effects, as evidenced by a study conducted on chicks.
Targets(IC50)	Others,COX,Cytochromes P450,Sodium Channel

Solubility Information

Solubility	DMSO: 60 mg/mL (258.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.61 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	4.3053 mL	21.5267 mL	43.0533 mL
5 mM	0.8611 mL	4.3053 mL	8.6107 mL
10 mM	0.4305 mL	2.1527 mL	4.3053 mL
50 mM	0.0861 mL	0.4305 mL	0.8611 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

Feltenstein MW, et al. Anxiolytic properties of Piper methysticum extract samples and fractions in the chick social-separation-stress procedure. *Phytother Res.* 2003 Mar;17(3):210-6.

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