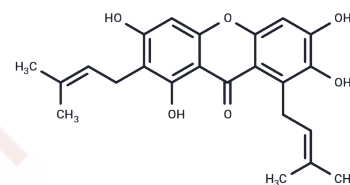


gamma-Mangostin

Chemical Properties

CAS No. :	31271-07-5
Formula:	C ₂₃ H ₂₄ O ₆
Molecular Weight:	396.43
Storage:	Store at low temperature 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. gamma-Mangostin (Normangostin) as a preventive agent of the metabolic syndrome. 2. Gamma-Mangostin has free radical scavenging activity, and antiproliferative and apoptotic activity in HepG2 cells. 3. Gamma-Mangostin could serve as a micronutrient for colon cancer prevention and is a potential lead compound for the development of anti-colon cancer agents. 4. Gamma-Mangostin may acts as an antihypertensive agent , by causing vasorelaxation which is mediated via the NO-cGMP pathway.
Targets(IC50)	5-HT Receptor,COX

Solubility Information

Solubility	DMSO: 50 mg/mL (126.13 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 (5.05 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	2.5225 mL	12.6126 mL	25.2251 mL
5 mM	0.5045 mL	2.5225 mL	5.045 mL
10 mM	0.2523 mL	1.2613 mL	2.5225 mL
50 mM	0.0505 mL	0.2523 mL	0.5045 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

Chang H F , Wu C H , Yang L L . Antitumour and free radical scavenging effects of γ -mangostin isolated from *Garcinia mangostana*, pericarps against hepatocellular carcinoma cell[J]. Journal of Pharmacy and Pharmacology, 2013, 65(9):1419-1428.

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