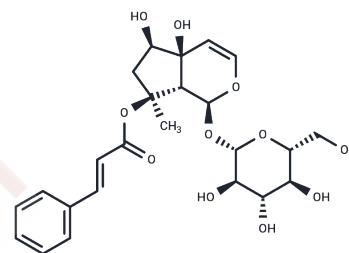


Harpagoside

Chemical Properties

CAS No. :	19210-12-9
Formula:	C ₂₄ H ₃₀ O ₁₁
Molecular Weight:	494.49
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	1. Harpagoside has anti-inflammatory activity. 2. Harpagoside at 3 mM concentration, shows moderate inhibition of seed germination. 3. Harpagoside can inhibit lipopolysaccharide-induced mRNA levels and protein expression of cyclooxygenase-2 and inducible nitric oxide in HepG2 cells.
Targets(IC50)	NO Synthase, COX

Solubility Information

Solubility	Ethanol: Soluble, DMSO: 90 mg/mL (182.01 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (10.11 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	2.0223 mL	10.1114 mL	20.2229 mL
5 mM	0.4045 mL	2.0223 mL	4.0446 mL
10 mM	0.2022 mL	1.0111 mL	2.0223 mL
50 mM	0.0404 mL	0.2022 mL	0.4045 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

Kim T K , Park K S . Inhibitory effects of harpagoside on TNF- α -induced pro-inflammatory adipokine expression through PPAR- γ activation in 3T3-L1 adipocytes[J]. Cytokine, 2015, 76(2):S104346661500201X.

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