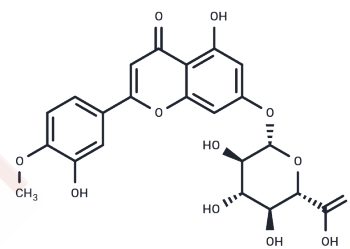


DiosMetin 7-O-β-D-Glucuronide

Chemical Properties

CAS No. :	35110-20-4
Formula:	C ₂₂ H ₂₀ O ₁₂
Molecular Weight:	476.39
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	Diosmetin 7-O-β-D-Glucuronide, an antioxidant constituent found in the fruits of Luffa cylindrical, supplies antioxidant benefits when sponge gourds are consumed.
Targets(IC50)	Antioxidant

Solubility Information

Solubility	DMSO: 55 mg/mL (115.45 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 (4.2 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	2.0991 mL	10.4956 mL	20.9912 mL
5 mM	0.4198 mL	2.0991 mL	4.1982 mL
10 mM	0.2099 mL	1.0496 mL	2.0991 mL
50 mM	0.042 mL	0.2099 mL	0.4198 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

Du Q, et al. Antioxidant constituents in the fruits of *Luffa cylindrica* (L.) Roem. *J Agric Food Chem.* 2006 Jun 14;54 (12):4186-90.

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