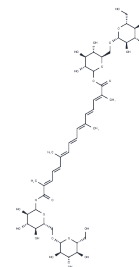


Gardenia yellow

Chemical Properties

CAS No. :	94238-00-3
Formula:	C44H64O24
Molecular Weight:	976.96
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	Gardenia yellow (Crocins I) has anti atherosclerosis and hypolipidemic effects.
Targets(IC50)	Sirtuin

Solubility Information

Solubility	Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, DMSO: 91 mg/mL (93.15 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: 2.5 mg/mL (2.56 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	1.0236 mL	5.1179 mL	10.2358 mL
5 mM	0.2047 mL	1.0236 mL	2.0472 mL
10 mM	0.1024 mL	0.5118 mL	1.0236 mL
50 mM	0.0205 mL	0.1024 mL	0.2047 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

Zhu X , Mang Y , Shen F , et al. Homogenate extraction of gardenia yellow pigment from Gardenia Jasminoides Ellis fruit using response surface methodology[J]. Journal of Food Science and Technology -Mysore-, 2014, 51(8):1575-81.

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