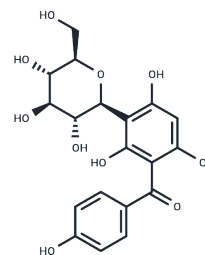


Iriflophenone 3-C-glucoside

Chemical Properties

CAS No. :	104669-02-5
Formula:	C ₁₉ H ₂₀ O ₁₀
Molecular Weight:	408.36
Storage:	Keep away from direct sunlight, Keep away from moisture 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	Iriflophenone 3-C-glucoside (Iriflophenone 3-C-β-D-glucopyranoside), has antioxidant activity, isolated from Cyclopia genistoides.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 11 mg/mL (26.94 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 (4.9 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	2.4488 mL	12.2441 mL	24.4882 mL
5 mM	0.4898 mL	2.4488 mL	4.8976 mL
10 mM	0.2449 mL	1.2244 mL	2.4488 mL
50 mM	0.049 mL	0.2449 mL	0.4898 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

Malherbe CJ, et al. Iriflophenone-3-C-glucoside from *Cyclopia genistoides*: isolation and quantitative comparison of antioxidant capacity with mangiferin and isomangiferin using on-line HPLC antioxidant assays. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2014 Mar 1;951-952:164-71.

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