

## Isorhamnetin-3-O-neohesperidoside

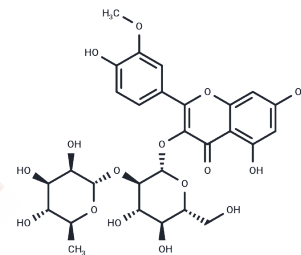
## Chemical Properties

CAS No. : 55033-90-4

Formula: C<sub>28</sub>H<sub>32</sub>O<sub>16</sub>

Molecular Weight: 624.54

Storage: Store at low temperature, Keep away from direct sunlight  
 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	Isorhamnetin-3-O-neohesperidoside (Calendoflavoside) is a flavonol glycoside extract used as an anti-oxidant.
Targets(IC50)	Antioxidant, Xanthine Oxidase

## Solubility Information

Solubility	DMSO: 250 mg/mL (400.29 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 (3.2 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (16.01 mM), Solution. <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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.6012 mL	8.0059 mL	16.0118 mL
5 mM	0.3202 mL	1.6012 mL	3.2024 mL
10 mM	0.1601 mL	0.8006 mL	1.6012 mL
50 mM	0.032 mL	0.1601 mL	0.3202 mL

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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

Li CY, et al. Measurement of hydroxysafflor yellow A in human urine by liquid chromatography-tandem mass spectrometry. J Chromatogr B Analyt Technol Biomed Life Sci.

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