

Kaempferol-7-O-β-D-glucopyranoside

Chemical Properties

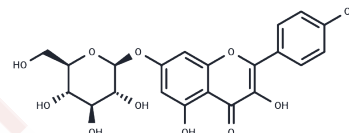
CAS No. : 16290-07-6

Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.38

Storage: Store at low temperature, Store under nitrogen
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	Kaempferol-7-O-β-D-glucopyranoside (Kaempferol-7-O-D-glucopyranoside), a novel supercoolant, could be used for sub-zero, non-freezing preservation of rat hearts.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (111.51 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 (4.46 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	2.2303 mL	11.1513 mL	22.3025 mL
5 mM	0.4461 mL	2.2303 mL	4.4605 mL
10 mM	0.223 mL	1.1151 mL	2.2303 mL
50 mM	0.0446 mL	0.223 mL	0.4461 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

Soh D , Bakang B T , Tchouboun E N , et al. New cucurbitane type triterpenes from Momordica foetida Schumach. (Cucurbitaceae)[J]. Phytochemistry Letters, 2020, 38:90-95.

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