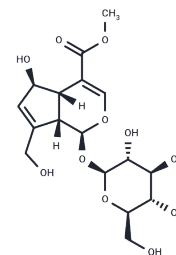


Feretoside

Chemical Properties

CAS No. :	27530-67-2
Formula:	C ₁₇ H ₂₄ O ₁₁
Molecular Weight:	404.37
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	Feretoside is a natural product extracted from the barks of <i>E. ulmoides</i> . Feretoside shows inducible activity on the heat shock factor 1 (HSF1).
Targets(IC50)	HSP
In vitro	Feretoside increases expression of HSF1 by a factor of 1.214, 1.144, 1.153, 1.114, 1.159, 1.041, and 1.167 at 3 mm, respectively.

Solubility Information

Solubility	DMSO: 4.8 mg/mL (11.87 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: 1 mg/mL (2.47 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	2.473 mL	12.3649 mL	24.7298 mL
5 mM	0.4946 mL	2.473 mL	4.946 mL
10 mM	0.2473 mL	1.2365 mL	2.473 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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

Nam JW, et al. Heat shock factor 1 inducers from the bark of *Eucommia ulmoides* as cytoprotective agents. *Chem Biodivers*. 2013 Jul;10(7):1322-7.

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