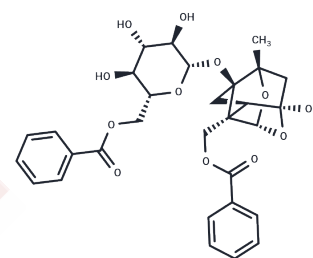


Benzoyl paeoniflorin

Chemical Properties

CAS No. :	38642-49-8
Formula:	C ₃₀ H ₃₂ O ₁₂
Molecular Weight:	584.57
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	1. Benzoylpaeoniflorin is active against cyclooxygenase-1 and cyclooxygenase-2 enzymes.
Targets(IC50)	Apoptosis, COX

Solubility Information

Solubility	DMSO: 250 mg/mL (427.66 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 (3.42 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	1.7107 mL	8.5533 mL	17.1066 mL
5 mM	0.3421 mL	1.7107 mL	3.4213 mL
10 mM	0.1711 mL	0.8553 mL	1.7107 mL
50 mM	0.0342 mL	0.1711 mL	0.3421 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

Er-Li Z , Yang L I , Hong-Yan G E . Effects of Benzoylpaeoniflorin on apoptosis of Rats with Coronary Heart Diseases [J]. Chinese Journal of Laboratory Diagnosis, 2011.

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