Benzoylpaeoniflorin

MedChemExpress

Cat. No.:	HY-N0852		
CAS No.:	38642-49-8		
Molecular Formula:	$C_{30}H_{32}O_{12}$		
Molecular Weight:	584.57		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1	DMSO : 100 mg/mL (171.07 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg		
		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			
	Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution						

BIOLOGICAL ACTIVITY				
Description	Benzoylpaeoniflorin, a natural product from Chinese paeony root, has the potential for coronary heart disease by decreasing apoptosis.			

REFERENCES

[1]. Xinfeng Zhao, et al. Quantitative and Qualitative Determination of Liuwei Dihuang Tablets by HPLC–UV-MS–MS. Journal of Chromatographic Science, Vol. 45,

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September 2007, 549-552

[2]. ZHANG Er-li, et al. Effects of Benzoylpaeoniflorin on apoptosis of Rats with Coronary Heart Diseases. Chinese Journal of Laboratory Diagnosis, 2011-04.

Caution: Product has not been fully validated for medical applications. For research use only.

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