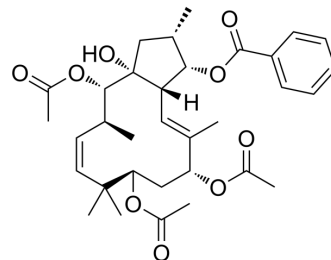


Euphornin

Cat. No.:	HY-N11774
CAS No.:	80454-47-3
Molecular Formula:	C ₃₃ H ₄₄ O ₉
Molecular Weight:	584.7
Target:	Apoptosis; Caspase
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (171.03 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	1.7103 mL	8.5514 mL	17.1028 mL
			5 mM	0.3421 mL	1.7103 mL	3.4206 mL
10 mM	0.1710 mL	0.8551 mL	1.7103 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.28 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Euphornin is a anticancer agent, that can be isolated from <i>E. helioscopia</i> . Euphornin induces apoptosis via caspase-mediated pathways. Euphornin induces cell cycle arrest by increasing the level of the phospho-CDK1 (Tyr15) protein ^[1] .
In Vitro	Euphornin (50-200 µg/mL, 48 h) markedly increases levels of cleaved caspase-3, caspase-8, caspase-9, and caspase-10 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li XQ, et al. Euphornin reduces proliferation of human cervical adenocarcinoma HeLa cells through induction of apoptosis and G2/M cell cycle arrest. *Onco Targets Ther.* 2018 Jul 27;11:4395-4405.

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

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