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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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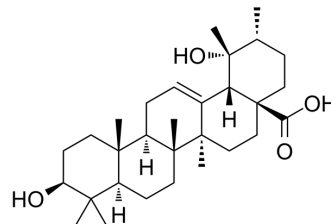
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Pomolic acid

Cat. No.:	HY-N6601
CAS No.:	13849-91-7
Molecular Formula:	C ₃₀ H ₄₈ O ₄
Molecular Weight:	472.7
Target:	Apoptosis
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 (211.55 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1155 mL	10.5775 mL	21.1551 mL
		5 mM		0.4231 mL	2.1155 mL	4.2310 mL
10 mM		0.2116 mL	1.0578 mL	2.1155 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.29 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.29 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.29 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Randialic acid A (Pomolic acid) is a pentacyclic triterpene isolated from <i>Euscaphis japonica</i> (Tunb.). Randialic acid A (Pomolic acid) inhibits tumor cells growth and induces cell apoptosis. Randialic acid A (Pomolic acid) has a potential for the treatment of prostate cancer (PC) ^[2] .
IC₅₀ & Target	IC50: apoptosis ^[1]
In Vitro	Randialic acid A (Pomolic acid) induces apoptosis of GBM cells as demonstrated by DNA fragmentation. Pomolic acid-induced apoptosis is dependent on reactive oxygen species (ROS) production. It also induces uncoupling of mitochondria membrane potential and activation of caspase-3 and -9 ^[2] .

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Guimarães LPTP, et al. Pomolic acid induces apoptosis and inhibits multidrug resistance protein MRP1 and migration in glioblastoma cells. *Oncol Rep.* 2017 Oct;38(4):2525-2534.
- [2]. Park JH, et al. Pomolic Acid Ameliorates Fibroblast Activation and Renal Interstitial Fibrosis through Inhibition of SMAD-STAT Signaling Pathways. *Molecules.* 2018 Sep 3;23(9). pii: E2236.
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Caution: Product has not been fully validated for medical applications. For research use only.

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