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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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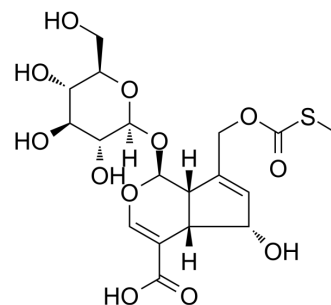
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Paederosidic acid

Cat. No.:	HY-N6998
CAS No.:	18842-98-3
Molecular Formula:	C ₁₈ H ₂₄ O ₁₂ S
Molecular Weight:	464.44
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 (215.31 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1531 mL	10.7657 mL	21.5313 mL
		5 mM		0.4306 mL	2.1531 mL	4.3063 mL
10 mM		0.2153 mL	1.0766 mL	2.1531 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 (5.38 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.38 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Paederosidic acid is isolated from <i>P. scandens</i> with anticancer and anti-inflammatory activities. Paederosidic acid inhibits lung cancer cells via inducing mitochondria-mediated apoptosis ^[1] .
IC₅₀ & Target	IC ₅₀ : apoptosis ^[1]
In Vitro	Paederosidic acid (40 μg/ml; 24 hours and 48 hours) has no significant effect on BSAS-2B cells, it exhibits obvious effects on NCI-H1650, HCC827, A549 cells with IC ₅₀ values of 40.68, 42.58, and 36.48 μg/ml, respectively ^[1] . Paederosidic acid induces mitochondria-mediated apoptosis via up-regulation of caspase-3, caspase-8, caspase-9, Bid, Bax, down-regulation of Bcl-2 and stimulating the release of Cyto-C from mitochondria in lung cancer cells ^[1] .

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

REFERENCES

- [1]. Yu P, et al. Antitumor activity of paederosidic acid in human non-small cell lung cancer cells via inducing mitochondria-mediated apoptosis. *Chem Biol Interact.* 2017 May 1;269:33-40.
- [2]. Chen YF, et al. Possible mechanism involved in the antinociceptive activity of dimer of paederosidic acid and paederosidic acid methyl ester in mice. *CNS Neurosci Ther.* 2014 Feb;20(2):188-90.
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Caution: Product has not been fully validated for medical applications. For research use only.

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