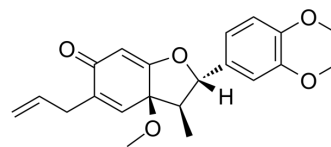


(-)-Denudatin B

Cat. No.:	HY-N3729
CAS No.:	87402-88-8
Molecular Formula:	C ₂₁ H ₂₄ O ₅
Molecular Weight:	356.41
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (140.29 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.8058 mL	14.0288 mL	28.0576 mL
		5 mM		0.5612 mL	2.8058 mL	5.6115 mL
	10 mM		0.2806 mL	1.4029 mL	2.8058 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 >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (3.51 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (3.51 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	(-)-Denudatin B is an antiplatelet agent. (-)-Denudatin B relaxed vascular smooth muscle by inhibiting the Ca ²⁺ influx through voltage-gated and receptor-operated Ca ²⁺ channels ^[1] . And (-)-Denudatin B has nonspecific antiplatelet action
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REFERENCES

- [1]. Yu SM, et al. Vasorelaxing effect in rat thoracic aorta caused by denudatin B, isolated from the Chinese herb, magnolia fargesii. Eur J Pharmacol. 1990;187(1):39-47.
- [2]. Teng CM, et al. Inhibition of thrombin- and collagen-induced phosphoinositides breakdown in rabbit platelets by a PAF antagonist--denudatin B, an isomer of kadsurenone. Thromb Res. 1990;59(1):121-130.

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

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