

(-)-Denudatin B

Chemical Properties

CAS No. : 87402-88-8

Formula: C₂₁H₂₄O₅

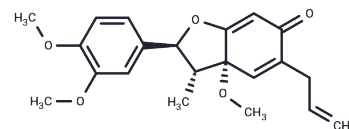
Molecular Weight: 356.41

Appearance: no data available

Storage:

store at low temperature, keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	(-)-Denudatin B (Denudatin B) is derived from <i>Magnolia fargesii</i> . (-)-Denudatin B has nonspecific antiplatelet action at high concentration by inhibiting phosphoinositides breakdown induced by collagen and thrombin.
Targets(IC ₅₀)	ATPase, Potassium Channel, Calcium Channel, PAFR
In vitro	Denudatin B inhibits the aggregation and ATP release of washed rabbit platelets caused by platelet-activating factor (PAF) in a concentration-dependent manner. High concentration of Denudatin B (greater than 50 micrograms/ml) inhibits the aggregation and ATP release of platelets caused by ADP, collagen, arachidonic acid and thrombin. Denudatin B suppresses thrombin-induced rise of the intracellular calcium concentration[1].

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0561 mL	0.2806 mL	0.5612 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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 Jul 1;59(1):121-30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481