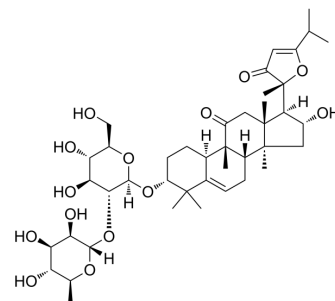


Picfeltaerinen IB

Cat. No.:	HY-N2211
CAS No.:	97230-46-1
Molecular Formula:	C ₄₂ H ₆₄ O ₁₄
Molecular Weight:	792.95
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (315.28 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.2611 mL	6.3056 mL	12.6111 mL
		5 mM	0.2522 mL	1.2611 mL	2.5222 mL
	10 mM	0.1261 mL	0.6306 mL	1.2611 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.62 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.62 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.62 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Picfeltaerinen IB, a triterpenoid obtained from Picrafel-terrae Lour (P.fel-terrae), is an acetylcholinesterase (AChE) inhibitor. Picfeltaerinen IB can be used for the treatment of herpes infections, cancer and inflammation ^[1] .
IC₅₀ & Target	AChE

REFERENCES

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

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