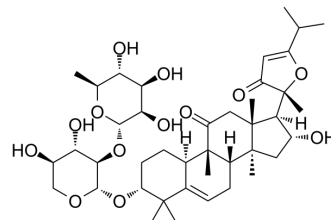


Picfeltaerinen IA

Cat. No.:	HY-N1474
CAS No.:	97230-47-2
Molecular Formula:	C ₄₁ H ₆₂ O ₁₃
Molecular Weight:	762.92
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
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 (131.08 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	1.3108 mL	6.5538 mL	13.1075 mL
		5 mM	0.2622 mL	1.3108 mL	2.6215 mL
		10 mM	0.1311 mL	0.6554 mL	1.3108 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: ≥ 2.5 mg/mL (3.28 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.28 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Picfeltaerinen IA, a triterpenoid obtained from <i>Picrafel-terrae</i> Lour (<i>P.fel-terrae</i>), is an acetylcholinesterase (AChE) inhibitor. Picfeltaerinen IA can be used for the treatment of herpes infections, cancer and inflammation ^[1] .
IC ₅₀ & Target	AChE ^[1]

REFERENCES

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

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