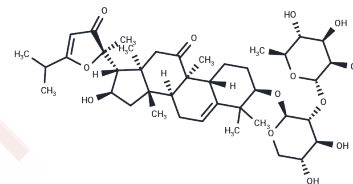


Picfeltaerinen IA

Chemical Properties

CAS No. :	97230-47-2
Formula:	C ₄₁ H ₆₂ O ₁₃
Molecular Weight:	762.92
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	1. Picfeltaerinen IA (Picfeltaerinen A), IB, IV, X, XI are stronger AChE inhibitions than the known AChE inhibitor Tacrine.
Targets(IC50)	Cholinesterase (ChE)

Solubility Information

Solubility	DMSO: 250 mg/mL (327.69 mM), Sonication is recommended. Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.33 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0262 mL	0.1311 mL	0.2622 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Shi R , Wang Q , Ouyang Y , et al. Picfeltaerainin IA inhibits lipopolysaccharide-induced inflammatory cytokine production by the nuclear factor- κ B pathway in human pulmonary epithelial A549 cells[J]. Oncology Letters, 2016, 11(2):1195-1200.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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