

Picfeltaerinen IV

Chemical Properties

CAS No. :	184288-35-5
Formula:	C ₄₇ H ₇₂ O ₁₈
Molecular Weight:	925.06
Storage:	Keep away from direct sunlight, Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Picfeltaerinen IV, a triterpenoid obtained from <i>Picria fel-terrae</i> Lour (<i>P.fel-terrae</i>), is an acetylcholinesterase (AChE) inhibitor. Picfeltaerinen IV is utilized in biochemical and neurochemical research involving cholinergic signaling pathways, enzymatic regulation of acetylcholine metabolism, and mechanistic studies in inflammation- and infection-associated biological models.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.081 mL	5.4051 mL	10.8101 mL
5 mM	0.2162 mL	1.081 mL	2.162 mL
10 mM	0.1081 mL	0.5405 mL	1.081 mL
50 mM	0.0216 mL	0.1081 mL	0.2162 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

Wen L, et al. Bioassay- and liquid chromatography/mass spectrometry-guided acetylcholinesterase inhibitors from *Picria fel-terrae*. *Pharmacogn Mag.* 2013 Oct;9(Suppl 1):S25-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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