

3 β -Hydroxy-lup-20(29)-en-16-one

Chemical Properties

CAS No. : 65043-60-9

Formula: C₃₀H₄₈O₂

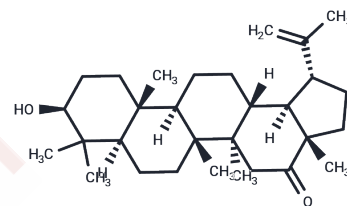
Molecular Weight: 440.70

Storage:

Keep away from direct sunlight, Keep away from moisture

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	3 β -Hydroxy-lup-20(29)-en-16-one is a dual inhibitor of acetylcholinesterase (AChE) and butyrylcholinesterase (BChE), with selective inhibitory activity against BChE and an IC ₅₀ of 28.9 μ M.
Targets(IC50)	AChR, Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2691 mL	11.3456 mL	22.6912 mL
5 mM	0.4538 mL	2.2691 mL	4.5382 mL
10 mM	0.2269 mL	1.1346 mL	2.2691 mL
50 mM	0.0454 mL	0.2269 mL	0.4538 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

Castro MJ, et al. Oxidation at C-16 enhances butyrylcholinesterase inhibition in lupane triterpenoids. Bioorg Chem. 2018 Sep;79:301-309.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481