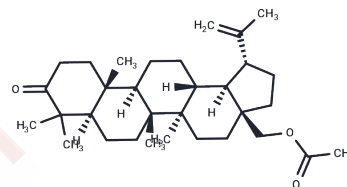


3-Oxobetulin Acetate

Chemical Properties

CAS No. :	136587-07-0
Formula:	C ₃₂ H ₅₀ O ₃
Molecular Weight:	482.74
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	3-Oxobetulin acetate is a derivative of the cholesterol biosynthesis inhibitor betulin. It inhibits the growth of P388 murine lymphocytic leukemia cells (EC ₅₀ = 0.12 µg/ml), as well as human MCF-7 breast, SF-268 CNS, H460 lung, and KM20L2 colon cancer cells (GI ₅₀ s = 8, 10.6, 5.2, and 12.7 µg/ml, respectively), but not BxPC-3 pancreas or DU145 prostate cancer cells (GI ₅₀ s = >10 µg/ml for both). 3-Oxobetulin acetate inhibits replication of X4 tropic recombinant HIV (NL4.3-Ren) in MT-2 lymphoblastoid cells (IC ₅₀ = 13.4 µM). It is also active against <i>L. donovani</i> amastigotes when used at a concentration of 50 µM.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0715 mL	10.3575 mL	20.7151 mL
5 mM	0.4143 mL	2.0715 mL	4.143 mL
10 mM	0.2072 mL	1.0358 mL	2.0715 mL
50 mM	0.0414 mL	0.2072 mL	0.4143 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.

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