

Betulin diacetate

Chemical Properties

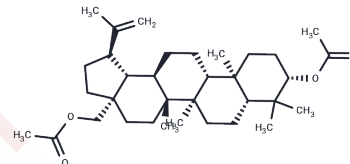
CAS No. : 1721-69-3

Formula: C₃₄H₅₄O₄

Molecular Weight: 526.8

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	Betulin diacetate is a bioactive chemical.
Targets(IC50)	Others,HIV Protease

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8983 mL	9.4913 mL	18.9825 mL
5 mM	0.3797 mL	1.8983 mL	3.7965 mL
10 mM	0.1898 mL	0.9491 mL	1.8983 mL
50 mM	0.038 mL	0.1898 mL	0.3797 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

- Mikhailenko MA, Shakhtshneider TP, Eltsov IV, Kozlov AS, Kuznetsova SA, Karacharov AA, Boldyrev VV. Supramolecular architecture of betulin diacetate complexes with arabinogalactan from *Larix sibirica*. *Carbohydr Polym.* 2016 Mar 15;138:1-7. doi: 10.1016/j.carbpol.2015.11.047. Epub 2015 Nov 21. PubMed PMID: 26794731.
- Shakhtshneider TP, Kuznetsova SA, Zamay AS, Zamay TN, Spivak EA, Mikhailenko MA, Malyar YN, Kuznetsov BN, Chesnokov NV, Boldyrev VV. New composites of betulin esters with arabinogalactan as highly potent anti-cancer agents. *Nat Prod Res.* 2016 Jun;30(12):1382-7. doi: 10.1080/14786419.2015.1060591. Epub 2015 Jul 13. PubMed PMID: 26165861.
- Alakurtti S, Heiska T, Kiriazis A, Sacerdoti-Sierra N, Jaffe CL, Yli-Kauhaluoma J. Synthesis and anti-leishmanial activity of heterocyclic betulin derivatives. *Bioorg Med Chem.* 2010 Feb 15;18(4):1573-82. doi: 10.1016/j.bmc.2010.01.003. Epub 2010 Jan 7. PubMed PMID: 20116263.
- Rybina AV, Shepelevich IS, Talipov RF, Galin FZ, Spirikhin LV. [Transformation of betulin diacetate by the Prins reaction]. *Bioorg Khim.* 2008 Jul-Aug;34(4):536-9. Russian. PubMed PMID: 18695727.

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