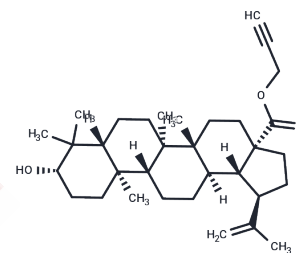


Betulinic Acid propargyl ester

Chemical Properties

CAS No. :	1400262-27-2
Formula:	C ₃₃ H ₅₀ O ₃
Molecular Weight:	494.76
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	Betulinic acid propargyl ester is a pentacyclic lupane triterpene and alkyne derivative of betulinic acid .1,2It has been used in click chemistry reactions for the synthesis of cytotoxic anticancer betulinic acid derivatives.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 30 mg/mL (60.64 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0212 mL	10.1059 mL	20.2118 mL
5 mM	0.4042 mL	2.0212 mL	4.0424 mL
10 mM	0.2021 mL	1.0106 mL	2.0212 mL
50 mM	0.0404 mL	0.2021 mL	0.4042 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

Thi, T.A.D., Tuyet, N.T.K., The, C.P., et al.Synthesis and cytotoxic evaluation of novel ester-triazole-linked triterpenoid-AZT conjugatesBioorg. Med. Chem. Lett.24(22)5190-5194(2014)

B?benek, E., Chrobaka, E., Wietrzyk, J., et al.Synthesis, structure and cytotoxic activity of acetylenic derivatives of betulonic and betulinic acidsJ. Mol. Struct.1106210-216(2016)

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