

Betulinic acid methyl ester

Chemical Properties

CAS No. : 2259-06-5

Formula: C₃₁H₅₀O₃

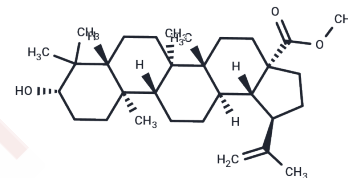
Molecular Weight: 470.74

Storage:

Keep away from direct sunlight, Keep away from moisture, Store under nitrogen

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 methyl ester is a natural product exhibiting growth-inhibitory effects against mouse B16 2F2 melanoma cells (IC ₅₀ =4.9 μM).
Targets(IC ₅₀)	Others
In vitro	Betulinic acid methyl ester showed antiplasmodial activity against chloroquine-resistant Plasmodium falciparum parasites in vitro, with an IC ₅₀ of 51.58 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1243 mL	10.6216 mL	21.2431 mL
5 mM	0.4249 mL	2.1243 mL	4.2486 mL
10 mM	0.2124 mL	1.0622 mL	2.1243 mL
50 mM	0.0425 mL	0.2124 mL	0.4249 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

Antimalarial activity of betulinic acid and derivatives in vitro against Plasmodium falciparum and in vivo in P. berghei-infected mice. Parasitol Res. 2009 Jul;105(1):275-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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