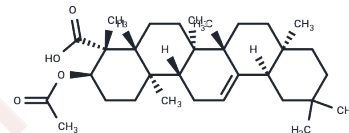


3-O-Acetyl- α -boswellic acid

Chemical Properties

CAS No. :	89913-60-0
Formula:	C ₃₂ H ₅₀ O ₄
Molecular Weight:	498.74
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-O-Acetyl- α -boswellic acid (α -Boswellic acid acetate) exhibits potent anti-inflammatory activity.
Targets(IC50)	Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (100.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.01 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0051 mL	10.0253 mL	20.0505 mL
5 mM	0.401 mL	2.0051 mL	4.0101 mL
10 mM	0.2005 mL	1.0025 mL	2.0051 mL
50 mM	0.0401 mL	0.2005 mL	0.401 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

Zimmermann-Klemd A M , Reinhardt J K , Nilsu T , et al. Boswellia carteri extract and 3-O-acetyl-alpha-boswellic acid suppress T cell function[J]. Fitoterapia, 2020:104694.

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