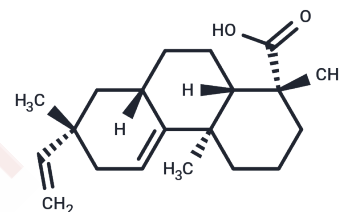


Acanthoic acid

Chemical Properties

CAS No. :	119290-87-8
Formula:	C ₂₀ H ₃₀ O ₂
Molecular Weight:	302.45
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	Acanthoic acid is a pimaradiene diterpene isolated from Acanthopanax koreanum with anti-inflammatory activities. Acanthoic acid downregulates LPS-induced IL-1 β , IL-6 and TNF- α production in BALF, attenuates lung histopathologic changes, and inhibits inflammatory cytokines by stopping IL-1 β , IL-6 and TNF- α production and NF- κ B activation in LPS-stimulated alveolar macrophages.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3063 mL	16.5317 mL	33.0633 mL
5 mM	0.6613 mL	3.3063 mL	6.6127 mL
10 mM	0.3306 mL	1.6532 mL	3.3063 mL
50 mM	0.0661 mL	0.3306 mL	0.6613 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

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Bai T, Yao YL, Jin XJ, Lian LH, Li Q, Yang N, Jin Q, Wu YL, Nan JX. Acanthoic acid, a diterpene in *Acanthopanax koreanum*, ameliorates the development of liver fibrosis via LXRs signals. *Chem Biol Interact.* 2014 Jul 25;218:63-70. doi: 10.1016/j.cbi.2014.04.016. Epub 2014 May 5. PubMed PMID: 24802811.

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