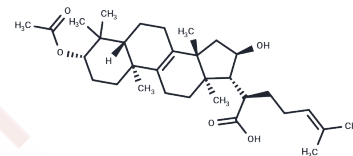


3-O-Acetyl-16 α -hydroxytrametenolic acid

Chemical Properties

CAS No. :	168293-13-8
Formula:	C32H50O5
Molecular Weight:	514.74
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	3-O-Acetyl-16 α -hydroxytrametenolic acid exhibits inhibitory activities against AAPH-induced hemolysis of red blood cells and demonstrates strong inhibitory effects on 12-O-tetradecanoylphorbol-13-acetate-induced inflammation in mice.
Targets(IC50)	Immunology/Inflammation related
In vitro	In this study, tests were carried out to identify the main ingredient of Hoelen that has the scavenging effect on free-radicals. Triterpene carboxylic acids isolated from the methanol extract of Hoelen, i.e. pachymic acid, polyporenic acid, 3-epidehydrotumulosic acid, 3 β -hydroxylanosta-7,9(11), 24-trien-21-oic acid and 3-O-Acetyl-16 α -hydroxytrametenolic acid, were found to have inhibitory activities against AAPH-induced lysis of red blood cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9427 mL	9.7136 mL	19.4273 mL
5 mM	0.3885 mL	1.9427 mL	3.8855 mL
10 mM	0.1943 mL	0.9714 mL	1.9427 mL
50 mM	0.0389 mL	0.1943 mL	0.3885 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

Inhibitory effects of triterpenes isolated from Hoelen on free radical-induced lysis of red blood cells. *Phytother Res.* 2003 Feb;17(2):160-2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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