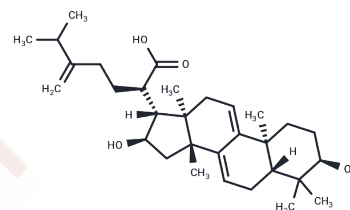


## 3-Epidehydrotumulosic acid

## Chemical Properties

CAS No. :	167775-54-4
Formula:	C <sub>31</sub> H <sub>48</sub> O <sub>4</sub>
Molecular Weight:	484.71
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-Epidehydrotumulosic acid exhibits inhibitory effects on AAPH-induced haemolysis of erythrocytes.
Targets(IC50)	Others
In vitro	These two, and eight other known compounds isolated from the sclerotium, poricoic acid B (3), poricoic acid A (4), tumulosic acid (5), dehydrotumulosic acid (6), 3-Epidehydrotumulosic acid (7), polyporenic acid C (8), 25-hydroxy-3-Epidehydrotumulosic acid (9), and dehydroabiatic acid methyl ester (10), showed potent inhibitory effects on Epstein-Barr virus early antigen (EBV-EA) activation induced by the tumor promoter 12-O-tetradecanoylphorbol-13-acetate (TPA). Evaluation of the cytotoxicity of compounds 1 and 4 against human cancer cell lines revealed that 1 was significantly cytotoxic to leukemia HL-60 cells [GI(50) (concentration that yields 50% growth) value 39.3 nM], although it showed only moderate cytotoxicity to the other cells. Compound 4 exhibited moderate cytotoxicity to all of the cancer cell lines tested[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0631 mL	10.3154 mL	20.6309 mL
5 mM	0.4126 mL	2.0631 mL	4.1262 mL
10 mM	0.2063 mL	1.0315 mL	2.0631 mL
50 mM	0.0413 mL	0.2063 mL	0.4126 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

Inhibition of tumor-promoting effects by poricoic acids G and H and other lanostane-type triterpenes and cytotoxic activity of poricoic acids A and G from *Poria cocos*. *J Nat Prod.* 2002 Apr;65(4):462-5.

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