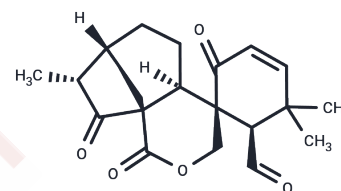


Epierialcalyxin A

Chemical Properties

CAS No. :	191545-24-1
Formula:	C ₂₀ H ₂₄ O ₅
Molecular Weight:	344.4
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	Epierialcalyxin A can suppress Caco-2 colon cancer cell growth. It could be a potential drug for colon cancer therapy in the future.
Targets(IC50)	Apoptosis,ERK,Bcl-2 Family,Caspase,DNA/RNA Synthesis,JNK,ROS
In vitro	Epierialcalyxin A (EpiA), a diterpenoid isolated from <i>I. ericalyx</i> , suppressed Caco-2 colon cancer cell growth. EpiA induced annexin V flipping in the cell membrane and DNA fragment. We also showed that EpiA induced the generation of ROS in cells, as well as damage of the mitochondrial membrane. Western blot results showed that both JNK and ERK1/2 activation was decreased after EpiA treatment in a dose-dependent manner. EpiA increased the expression of caspase 3 and Bax and decreased Bcl2 expression.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9036 mL	14.518 mL	29.036 mL
5 mM	0.5807 mL	2.9036 mL	5.8072 mL
10 mM	0.2904 mL	1.4518 mL	2.9036 mL
50 mM	0.0581 mL	0.2904 mL	0.5807 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

Epierialcalyxin A Induces Cell Apoptosis Through JNK and ERK1/2 Signaling Pathways in Colon Cancer Cells. Cell Biochem Biophys. 2015 Nov;73(2):559-564.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481