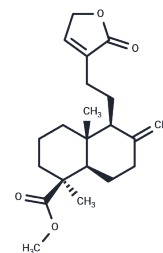


## Pinusolide

## Chemical Properties

CAS No. :	31685-80-0
Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	346.46
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	Pinusolide is a platelet activating factor ( PAF) antagonist, it may prove of therapeutic value in the treatment of hypotension, it has antileukemic potential, and could be used to treat neurodegenerative diseases. Pinusolide attenuates blockade of insulin signaling by enhancing IRS-1 tyrosine phosphorylation by the activating the AMPK pathway, indicates the targeting of AMPK represents a new therapeutic strategy for hyperglycemia-induced insulin resistance and type 2 diabetes.
Targets(IC50)	Apoptosis,ERK,Calcium Channel,Caspase,AMPK,JNK,Lipoxygenase,p38 MAPK,PAFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8863 mL	14.4317 mL	28.8634 mL
5 mM	0.5773 mL	2.8863 mL	5.7727 mL
10 mM	0.2886 mL	1.4432 mL	2.8863 mL
50 mM	0.0577 mL	0.2886 mL	0.5773 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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