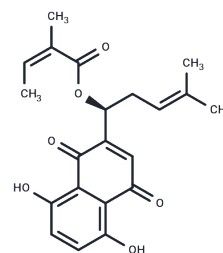


Angelylalkannin

Chemical Properties

CAS No. :	69175-72-0
Formula:	C ₂₁ H ₂₂ O ₆
Molecular Weight:	370.4
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	Angelylalkannin, a naphthoquinone compound isolated from the roots of <i>Alkanna tinctoria</i> , exhibits significant antiproliferative effects on human colon cancer cells HCT-116 and SW-480. The median inhibitory concentration (IC ₅₀) of Angelylalkannin is 4.76 mM for HCT-116 cells and 7.03 mM for SW-480 cells. Similar to alkannin, Angelylalkannin induces cell cycle arrest in the G1 phase and cell apoptosis at concentrations ranging from 1-10 mM.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6998 mL	13.4989 mL	26.9978 mL
5 mM	0.540 mL	2.6998 mL	5.3996 mL
10 mM	0.270 mL	1.3499 mL	2.6998 mL
50 mM	0.054 mL	0.270 mL	0.540 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.

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