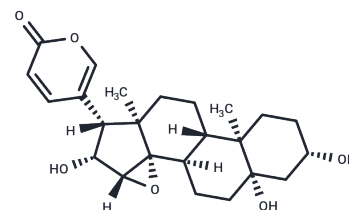


Desacetylcinobufotalin

Chemical Properties

CAS No. :	4099-30-3
Formula:	C ₂₄ H ₃₂ O ₆
Molecular Weight:	416.51
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Desacetylcinobufotalin has significant antitumor activity through induction apoptosis via mitochondria pathway, it also shows potent cytotoxic activities against HL-60 cell lines.
Targets(IC50)	Others
In vitro	The cytotoxicity of Desacetylcinobufotalin (DEBF) and apoptosis induced by DEBF was measured. Additionally the mechanism of Apoptosis induced by DEBF was studied through Western blot. The results show DEBF displayed the marked inhibition effect to HepG2 cells and the IC50 value is 0.0279μmol/mL. The expression of Bax was significantly increased and the expression of Bcl-2 was markedly decreased, compared to the control[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4009 mL	12.0045 mL	24.009 mL
5 mM	0.4802 mL	2.4009 mL	4.8018 mL
10 mM	0.2401 mL	1.2005 mL	2.4009 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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.

Reference

The Effect and Mechanism of Apoptosis Induced by Desacetylcinobufotalin (DEBF) in Human Hepatocellular Carcinoma HepG2 CellsApplied Mechanics & Materials, 2013, 395-396:587-590.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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