

## Desacetylcinobufotalin

## Chemical Properties

CAS No. : 4099-30-3

Formula: C<sub>24</sub>H<sub>32</sub>O<sub>6</sub>

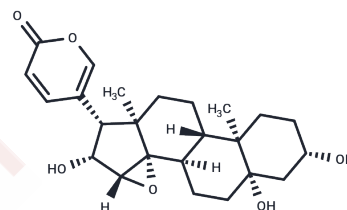
Molecular Weight: 416.51

Keep away from moisture, Keep away from direct sunlight

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	Desacetylcinobufotalin is a natural product capable of inducing apoptosis in HepG2 cells by reducing Bax and Bcl-2 expression.
Targets(IC50)	Apoptosis, Bcl-2 Family
In vitro	Desacetylcinobufotalin displayed a marked inhibitory effect on HepG2 cells, and the IC50 value is 0.0279 μmol/ml. The expression of Bax was significantly increased, and the expression of Bcl-2 was markedly decreased, compared to the control[1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (192.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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.

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

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

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

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