

## Boehmenan

## Chemical Properties

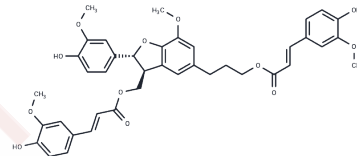
CAS No. : 57296-22-7

Formula: C40H40O12

Molecular Weight: 712.74

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	(±)-Boehmenan shows potent protein-tyrosine phosphatase 1B (PTP1B) inhibitory activity in vitro with the IC(50) values of 43.5 uM, it inhibits PTP1B activity in a competitive manner. Boehmenan exhibits the potent cytotoxic effects against many cancer cell lines, boehmenan-mediated anti-tumor property is mediated by modulation of mitochondria and EGFR signaling pathway in A549 NSCLC cells.
Targets(IC50)	ERK,EGFR,MEK,Akt,Caspase,STAT,p53,PARP,Phosphatase,Wnt/beta-catenin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.403 mL	7.0152 mL	14.0304 mL
5 mM	0.2806 mL	1.403 mL	2.8061 mL
10 mM	0.1403 mL	0.7015 mL	1.403 mL
50 mM	0.0281 mL	0.1403 mL	0.2806 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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