

Albanol B

Chemical Properties

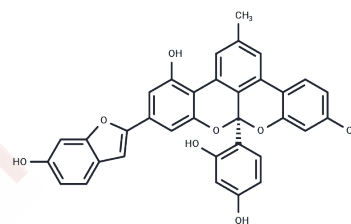
CAS No. : 87084-99-9

Formula: C₃₄H₂₂O₈

Molecular Weight: 558.53

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	Albanol B, an arylbenzofuran derivative, is extracted from mulberries and demonstrates multifarious biological activities, including anti-Alzheimer's, anti-bacterial, and antioxidant effects. It inhibits the proliferation of cancer cells, down-regulates CDK1 expression, and induces cell cycle arrest at the G2/M phase and apoptosis. Additionally, Albanol B increases mitochondrial ROS production and enhances the phosphorylation levels of AKT and ERK1/2 [1].
Targets(IC50)	Apoptosis,ERK,Others,Akt,Antibacterial,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7904 mL	8.9521 mL	17.9041 mL
5 mM	0.3581 mL	1.7904 mL	3.5808 mL
10 mM	0.179 mL	0.8952 mL	1.7904 mL
50 mM	0.0358 mL	0.179 mL	0.3581 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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