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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PI3K/AKT-IN-4

Chemical Properties

CAS No. :
Formula: C19H26O2
Molecular Weight: 286.41
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	PI3K/AKT-IN-4 (compound 3), a diterpenoid extracted from the roots and rhizomes of <i>Salvia castanea</i> Dielsf., exhibits antitumor properties by inhibiting cell viability and proliferation (IC 50 =4.72 μM) and promoting apoptosis in Hep3B cells. This compound obstructs the G0/G1 phase of the cell cycle, triggers mitochondrial dysfunction, and induces oxidative stress. Moreover, PI3K/AKT-IN-4 combats hepatocellular carcinoma through the inhibition of the PI3K-Akt signaling pathway and by interacting with PARP1 and CDK2 targets.
Targets(IC50)	Apoptosis,PARP,Akt,PI3K,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4915 mL	17.4575 mL	34.915 mL
5 mM	0.6983 mL	3.4915 mL	6.983 mL
10 mM	0.3491 mL	1.7457 mL	3.4915 mL
50 mM	0.0698 mL	0.3491 mL	0.6983 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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