

Antitumor agent-92

Chemical Properties

CAS No. :	2922842-01-9
Formula:	C33H41NO10
Molecular Weight:	611.68
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	Antitumor Agent-92, an Icaritin derivative, induces G0/G1 phase cell cycle arrest and promotes apoptosis. This compound shows promise for hepatocellular carcinoma (HCC) research [1].
Targets(IC50)	Apoptosis
In vitro	Antitumor agent-92 (Compound 11c; 2-8 μ M; 48 hours) induces apoptosis in HepG2 and SMMC-7721 cells, with increased effects at higher concentrations [1]. The compound also promotes G0/G1 phase arrest in these cells [1]. Additionally, Antitumor agent-92 upregulates P21 and downregulates Cdc2 p34 and CDK4 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6348 mL	8.1742 mL	16.3484 mL
5 mM	0.327 mL	1.6348 mL	3.2697 mL
10 mM	0.1635 mL	0.8174 mL	1.6348 mL
50 mM	0.0327 mL	0.1635 mL	0.327 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.

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