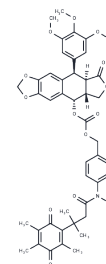


Antitumor agent-67

Chemical Properties

CAS No. :	2820146-10-7
Formula:	C45H47NO13
Molecular Weight:	809.85
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-67 (compound 3), a potent antitumor agent, exhibits highly selective toxicity toward cancer cells while sparing normal cells. This compound can be activated by NQO1 to effectively release podophyllotoxin, thereby killing tumor cells. In HepG2 xenograft models, Antitumor agent-67 significantly inhibits cancer growth with minimal toxicity [1].
Targets(IC50)	Others, Microtubule Associated
In vitro	Antitumor agent-67 (compound 3) exhibits antiproliferative effects on a range of cells including HepG2, A549, LO2, HepG2/Hyp, A549/Hyp, and A549/T, with IC50 values of 84 ± 9 µM, 100 ± 19 µM, 312 ± 34 µM, 113 ± 13 µM, 185 ± 24 µM, and 197 ± 29 µM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2348 mL	6.174 mL	12.348 mL
5 mM	0.247 mL	1.2348 mL	2.4696 mL
10 mM	0.1235 mL	0.6174 mL	1.2348 mL
50 mM	0.0247 mL	0.1235 mL	0.247 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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