

Antitumor agent-208

Chemical Properties

CAS No. :	1385011-94-8
Formula:	C30H44N2O5
Molecular Weight:	512.69
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-208, an analog of Bufalin, is a potent and orally active antitumor agent. It exhibits antiproliferative activity against tumor cell lines with an IC50 of 0.30-1.09 nM. In MV-4-11 xenograft mouse models, Antitumor agent-208 inhibits tumor growth. It is applicable in cancer research, including studies on acute myeloid leukemia (AML) and non-small cell lung cancer (NSCLC).
Targets(IC50)	Others
In vitro	Antitumor agent-208 (compound 3i) exhibits significant antiproliferative activity against various human tumor cell lines, including HeLa, HepG2, Daudi, MV-4-11, Jurkat, HT1080, PC-3, AGS, MCF-7, and NCI-H2228, with IC 50 values of 0.59, 0.51, 2.86, 0.75, 1.09, 2.90, 0.55, 9.62, 9.97, and 0.56 nM, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9505 mL	9.7525 mL	19.505 mL
5 mM	0.3901 mL	1.9505 mL	3.901 mL
10 mM	0.195 mL	0.9752 mL	1.9505 mL
50 mM	0.039 mL	0.195 mL	0.3901 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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