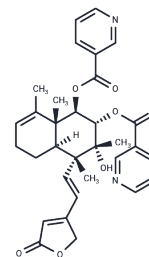


Scutebarbatine A

Chemical Properties

CAS No. :	176520-13-1
Formula:	C32H34N2O7
Molecular Weight:	558.62
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	Scutebarbatine A shows significant antitumor effects on A549 cells in vivo and in vitro via mitochondria-mediated apoptosis by up-regulating expressions of caspase-3 and 9, and down-regulating Bcl-2. Scutebarbatine A and barbatine A show a significant ability to protect cells against H2O2 with ED50 values of 5.0 and 16.8 μ M, respectively.
Targets(IC50)	Apoptosis, Bcl-2 Family, Caspase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7901 mL	8.9506 mL	17.9013 mL
5 mM	0.358 mL	1.7901 mL	3.5803 mL
10 mM	0.179 mL	0.8951 mL	1.7901 mL
50 mM	0.0358 mL	0.179 mL	0.358 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.

Reference

In vitro and in vivo antitumor activity of scutebarbatine A on human lung carcinoma A549 cell lines. *Molecules*. 2014 Jun 25;19(7):8740-51.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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