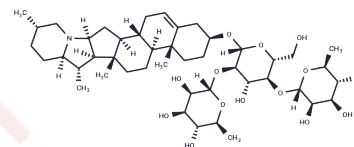


α -Chaconine

Chemical Properties

CAS No. :	20562-03-2
Formula:	C45H73NO14
Molecular Weight:	852.06
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	Alpha-Chaconine has anti-inflammatory effect, associated with the suppression of AP-1, and supports its possible therapeutic role for the treatment of sepsis. Alpha-Chaconine also has cytotoxic effects.
Targets(IC50)	COX,DNA/RNA Synthesis,IL Receptor
In vitro	This study confirmed their synergistic cytotoxic effects on C6 rat glioma cells by three different cell viability tests, namely WST-1 (water-soluble tetrazolium) assay sensitive to intracellular NADH concentration, menadione-catalysed chemiluminescent assay depending on both NAD(P)H concentration and NAD(P)H:quinone reductase activity, and LDH (lactate dehydrogenase) assay sensitive to the release of LDH from damaged cells. The maximum cytotoxic effect was observed at a ratio of 1:1 between $\alpha\pm$ -solanine and alpha-Chaconine at micromolar concentrations.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1736 mL	5.8681 mL	11.7363 mL
5 mM	0.2347 mL	1.1736 mL	2.3473 mL
10 mM	0.1174 mL	0.5868 mL	1.1736 mL
50 mM	0.0235 mL	0.1174 mL	0.2347 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

Synergistic cytotoxicity induced by $\alpha\pm$ -solanine and $\alpha\pm$ -chaconine. Food Chem. 2013 Nov 15;141(2):669-74.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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