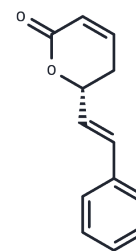


Goniothalamine

Chemical Properties

CAS No. :	17303-67-2
Formula:	C ₁₃ H ₁₂ O ₂
Molecular Weight:	200.23
Storage:	Store at low temperature, Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Goniothalamine induces apoptosis in various cancer cell lines and has gastroprotective activity.
Targets(IC50)	Apoptosis,ATPase,HSP,Caspase,Nrf2,NO Synthase
In vitro	Goniothalamine induces apoptosis on HepG2 liver cancer cells via induction of caspase-3 with less sensitivity on the cell line of Chang cells[1]. Goniothalamine induces oxidative stresses and inhibits the expression of cell wall-associated proteins resulting in growth inhibition of Arabidopsis seedlings[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9943 mL	24.9713 mL	49.9426 mL
5 mM	0.9989 mL	4.9943 mL	9.9885 mL
10 mM	0.4994 mL	2.4971 mL	4.9943 mL
50 mM	0.0999 mL	0.4994 mL	0.9989 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

Involvement of Seladin-1 in goniothalamine-induced apoptosis in urinary bladder cancer cells. BMC Complement Altern Med. 2014 Aug 9;14:295.

Transcriptomic evaluation of plant growth inhibitory activity of goniothalamine from the Malaysian medicinal plant Goniothalamus andersonii. Nat Prod Commun. 2015 May;10(5):725-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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