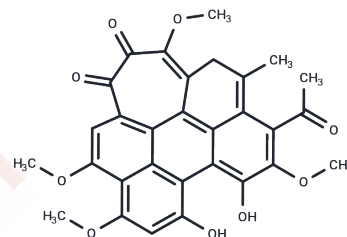


HYPOCRELLIN B

Chemical Properties

CAS No. :	123940-54-5
Formula:	C ₃₀ H ₂₄ O ₉
Molecular Weight:	528.51
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	HYPOCRELLIN B are photosensitive pigments isolated from <i>Hypocrella bambusae</i> Sacc. Hypocrellin B causes DNA strand breakage, induces apoptosis in ovarian cancer cells, and inhibits proliferation of <i>Staphylococcus</i> by increasing ROS levels, and damaging cell walls.
Targets(IC50)	Apoptosis,Parasite,Antifungal
In vitro	Photodynamic therapy with hypocrellin B remarkably induced apoptosis and inhibited adhesion and migration of cancer cells in vitro.
Cell Research	Human ovarian cancer HO-8910 cell as a cancer model cell was incubated with hypocrellin B at a concentration of 2.5 μM for 5 h and irradiated by light from a light-emitting diodes (LED) source. Cell apoptosis was analyzed by flow cytometry with annexin V/propidium iodide (PI) staining and nuclear staining 6 h after hypocrellin B photoirradiation. Cell adhesion was assessed using the 3-(4, 5-dimethylthiazol-2-yl)-2, 5 diphenyl-tetrazolium bromide (MTT) assay 4 h after photodynamic treatment. Cell migration was measured 48 h after photodynamic treatment.

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8921 mL	9.4606 mL	18.9211 mL
5 mM	0.3784 mL	1.8921 mL	3.7842 mL
10 mM	0.1892 mL	0.9461 mL	1.8921 mL
50 mM	0.0378 mL	0.1892 mL	0.3784 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

Jiang Y , Leung A W , Wang X , et al. Effect of photodynamic therapy with hypocrellin B on apoptosis, adhesion, and migration of cancer cells[J]. International Journal of Radiation Biology, 2014, 90(7):575-579.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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