



Product Information

Product ID H9662

CAS No. 123940-54-5

Chemical Name

Synonym

Formula $C_{30}H_{24}O_9$

Formula Wt. 528.51

Melting Point

Purity $\geq 98\%$

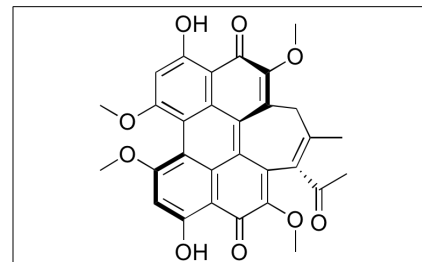
Solubility Soluble in DMSO.

Store Temp 4°C

Ship Temp Ambient

Description Hypocrellin B exhibits antibacterial, anti-metastatic, and anticancer chemotherapeutic activities. Hypocrellin B inhibits proliferation of *Staphylococcus* by increasing ROS levels and damaging cell walls. In ovarian cancer cells, this compound induces apoptosis and inhibits cell migration and adhesion under photodynamic stimulation; it also induces tumor regression in animal models of lymphoma. In vitro, hypocrellin B induces DNA strand breakage.

Contains ~2.5 % hypocrellin A.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H9662	1 mg	\$64.60
H9662	5 mg	\$179.00
H9662	10 mg	\$279.20
H9662	25 mg	\$536.70
H9662	100 mg	\$1402.40

References Jiang Y, Leung AW, Wang X, et al. Effect of photodynamic therapy with hypocrellin B on apoptosis, adhesion, and migration of cancer cells. *Int J Radiat Biol.* 2014 Jul;90(7):575-9. PMID: 24661233.

Jiang Y, Leung AW, Wang X, et al. Inactivation of *Staphylococcus aureus* by photodynamic action of hypocrellin B. *Photodiagnosis Photodyn Ther.* 2013 Dec;10(4):600-6. PMID: 24284117.

Babu A, Jeyasubramanian K, Gunasekaran P, et al. Gelatin nanocarrier enables efficient delivery and phototoxicity of hypocrellin B against a mice tumour model. *J Biomed Nanotechnol.* 2012 Feb;8(1):43-56. PMID: 22515093.

Xu Y, Zhang Z, Zhang H. Raman spectroscopic study of DNA after photosensitive damage caused by hypocrellins A and B. *Sci China C Life Sci.* 1998 Aug;41(4):360-6. PMID: 18726251.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.