



## Product Information

Product ID H9661

CAS No. 77029-83-5

**Chemical Name**

Synonym Hypocrellin

Formula  $C_{30}H_{26}O_{10}$

Formula Wt. 546.52

**Melting Point**

Purity  $\geq 77\%$ , contains ~16% B

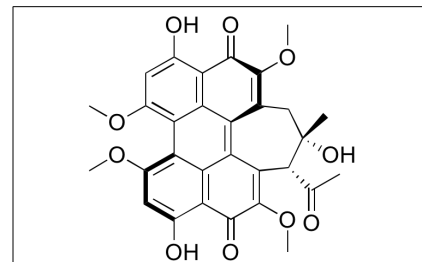
Solubility Soluble in heptane, DMSO.

Store Temp 4°C

Ship Temp Ambient

**Description** Hypocrellin A exhibits antibacterial and immunomodulatory activities. In vitro, hypocrellin A inhibits MHC II antigen presentation but not MHC I antigen presentation. Additionally, this compound increases levels of ROS and induces cell wall damage in *Staphylococcus*, *Salmonella*, *Escherichia*, and *Bacillus*.

Contains ~16 % hypocrellin B



**Bulk quantities available upon request**

Product ID	Size
H9661	1 mg
H9661	5 mg
H9661	10 mg
H9661	25 mg
H9661	100 mg

**References** Du W, Sun C, Liang Z, et al. Antibacterial activity of hypocrellin A against *Staphylococcus aureus*. *World J Microbiol Biotechnol.* 2012 Nov;28(11):3151-7. PMID: 22864599.

Park S, Im SA, Kim KH, et al. Immunomodulatory Effects of Hypocrellin A on MHC-restricted Antigen Processing. *Immune Netw.* 2011 Dec;11(6):412-5. PMID: 22346783.

Su Y, Sun J, Rao S, et al. Photodynamic antimicrobial activity of hypocrellin A. *J Photochem Photobiol B.* 2011 Apr 4;103(1):29-34. PMID: 21300554.

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.