



LKT Laboratories, Inc.

Hypocrellin A

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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.

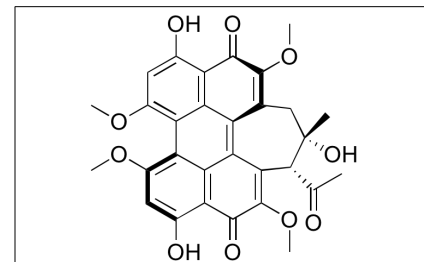
Store Temp 4°C

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



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H9661	1 mg	\$119.90
H9661	5 mg	\$239.70
H9661	10 mg	\$374.60
H9661	25 mg	\$674.20
H9661	100 mg	\$2105.80

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.