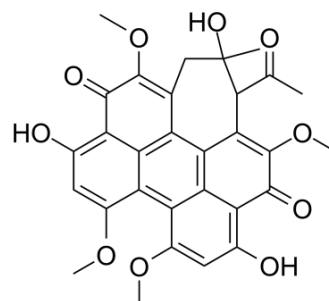


## Hypocrellin A

Cat. No.:	HY-N2575
CAS No.:	77029-83-5
Molecular Formula:	C <sub>30</sub> H <sub>26</sub> O <sub>10</sub>
Molecular Weight:	546.52
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

#### Description

Hypocrellin A, a naturally occurring PKC inhibitor, has many biological and pharmacological properties, such as antitumour, antiviral, antibacterial, and antileishmanial activities. Hypocrellin A is a promising photosensitizer for anticancer photodynamic therapy (PDT)<sup>[1][2][3][4]</sup>.

#### IC<sub>50</sub> & Target

PKC<sup>[1]</sup>

### REFERENCES

- [1]. Dang L, et al. Effects of hypocrellin A on expression of vascular endothelial growth factor and endothelin-1 in human umbilical endothelial cells. *Am J Chin Med.* 2007;35(4):713-23.
- [2]. Ma YJ, et al. Enhanced Production of Hypocrellin A in Submerged Cultures of *Shiraia bambusicola* by Red Light. *Photochem Photobiol.* 2019 May;95(3):812-822.
- [3]. Fehr MJ, et al. Roles of oxygen and photoinduced acidification in the light-dependent antiviral activity of hypocrellin A. *Biochemistry.* 1995 Dec 5;34(48):15845-8.
- [4]. Ma G, et al. Antimicrobial and antileishmanial activities of hypocrellins A and B. *Antimicrob Agents Chemother.* 2004 Nov;48(11):4450-2.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA