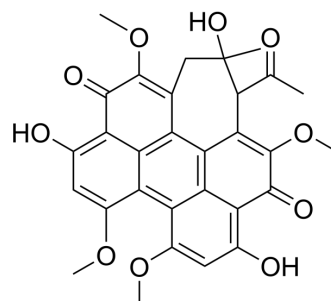


Hypocrellin A

Cat. No.:	HY-N2575
CAS No.:	77029-83-5
Molecular Formula:	C ₃₀ H ₂₆ O ₁₀
Molecular Weight:	546.52
Target:	PKC; Bacterial; Parasite
Pathway:	Epigenetics; TGF-beta/Smad; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 16.67 mg/mL (30.50 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.8298 mL	9.1488 mL	18.2976 mL
		5 mM	0.3660 mL	1.8298 mL	3.6595 mL
		10 mM	0.1830 mL	0.9149 mL	1.8298 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.57 mM); Suspended solution; Need ultrasonic				

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) ^{[1][2][3][4]} .
IC ₅₀ & Target	Leishmania

REFERENCES

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- [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.

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