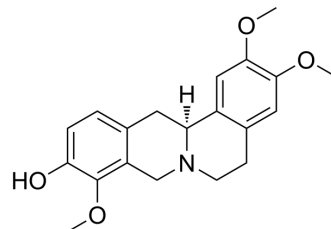


Corydalmine

Cat. No.:	HY-N2573
CAS No.:	30413-84-4
Molecular Formula:	C ₂₀ H ₂₃ NO ₄
Molecular Weight:	341.4
Target:	Fungal; CXCR
Pathway:	Anti-infection; GPCR/G Protein; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Corydalmine (L-Corydalmine) inhibits spore germination of some plant pathogenic as well as saprophytic fungi ^[1] . Corydalmine acts as an oral analgesic agent, exhibiting potent analgesic activity ^[2] . Corydalmine alleviates Vincristine-induced neuropathic pain in mice by inhibiting an NF-κB-dependent CXCL1/CXCR2 signaling pathway ^[3] .
IC₅₀ & Target	CXCR2
In Vivo	Corydalmine (L-Corydalmine) is a potent analgesic agent, in cynomolgus monkey, beagle dog, rat and mouse liver microsomes ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. S Ameer Basha, et al. Effect of 1-corydalmine, an Alkaloid Isolated From Corydalis Chaerophylla Roots on Spore Germination of Some Fungi. *Mycobiology*. 2007 Jun;35(2):69-71.
- [2]. Xiang Tang, et al. In Vitro Metabolism of L-Corydalmine, a Potent Analgesic Drug, in Human, Cynomolgus Monkey, Beagle Dog, Rat and Mouse Liver Microsomes. *J Pharm Biomed Anal*. 2016 Sep 5;128:98-105.
- [3]. Lin Zhou, et al. Levo-corydalmine Alleviates Vincristine-Induced Neuropathic Pain in Mice by Inhibiting an NF-κB-dependent CXCL1/CXCR2 Signaling Pathway. *Neuropharmacology*. 2018 Jun;135:34-47.

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