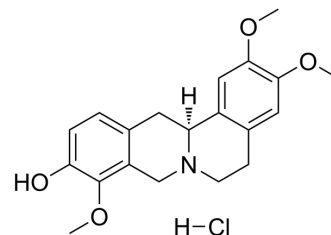


## Corydalmine hydrochloride

<b>Cat. No.:</b>	HY-N2573A
<b>CAS No.:</b>	2428393-60-4
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>24</sub> ClNO <sub>4</sub>
<b>Molecular Weight:</b>	377.86
<b>Target:</b>	Fungal; CXCR
<b>Pathway:</b>	Anti-infection; GPCR/G Protein; Immunology/Inflammation
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Corydalmine hydrochloride inhibits spore germination of some plant pathogenic as well as saprophytic fungi <sup>[1]</sup> . Corydalmine hydrochloride acts as an oral analgesic agent, exhibiting potent analgesic activity <sup>[2]</sup> . Corydalmine hydrochloride alleviates Vincristine-induced neuropathic pain in mice by inhibiting an NF-κB-dependent CXCL1/CXCR2 signaling pathway <sup>[3]</sup> .
<b>In Vivo</b>	Corydalmine hydrochloride 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]. Basha SA, Jha RN, Pandey VB, Singh UP. Effect of 1-corydalmine, an Alkaloid Isolated from Corydalis chaerophylla Roots on Spore Germination of Some Fungi. *Mycobiology*. 2007;35(2):69-71.
- [2]. Tang X, Di X, Zhong Z, 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;128:98-105.
- [3]. Zhou L, Hu Y, Li C, et al. Levo-corydalmine alleviates vincristine-induced neuropathic pain in mice by inhibiting an NF-kappa B-dependent CXCL1/CXCR2 signaling pathway. *Neuropharmacology*. 2018;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](mailto:tech@MedChemExpress.com)

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