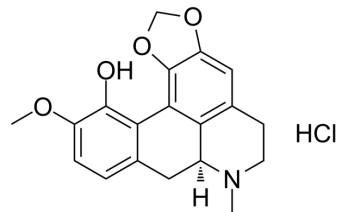


## Bulbocapnine hydrochloride

Cat. No.:	HY-W436270
CAS No.:	632-47-3
Molecular Formula:	C <sub>19</sub> H <sub>20</sub> ClNO <sub>4</sub>
Molecular Weight:	361.82
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Bulbocapnine hydrochloride, an aporphine alkaloid, is a dopamine receptor inhibitor. Bulbocapnine hydrochloride inhibits dopamine synthesis. Bulbocapnine hydrochloride also has neuroleptic-like, anticonvulsant and antinociceptive effects<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Shin JS, et al. Inhibitory effects of bulbocapnine on dopamine biosynthesis in PC12 cells. *Neurosci Lett.* 1998 Mar 20;244(3):161-4.
- [2]. Zetler G. Neuroleptic-like, anticonvulsant and antinociceptive effects of aporphine alkaloids: bulbocapnine, corytuberine, boldine and glaucine. *Arch Int Pharmacodyn Ther.* 1988 Nov-Dec;296:255-81.
- [3]. Kohli JD, et al. Bulbocapnine is not a selective DA1 receptor antagonist. *J Pharm Pharmacol.* 1986 May;38(5):401-2.

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

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