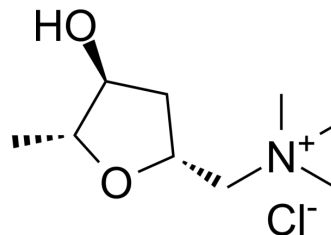


## (±)-Muscarine chloride

Cat. No.:	HY-139126
CAS No.:	2936-25-6
Molecular Formula:	C <sub>9</sub> H <sub>20</sub> ClNO <sub>2</sub>
Molecular Weight:	209.71
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	(±)-Muscarine chloride is the racemate of Muscarine chloride. Muscarine is a prototype muscarinic acetylcholine receptor agonist <sup>[1][2]</sup> .
<b>In Vivo</b>	The sites activated by (±)-Muscarine chloride (injected into the cerebral ventricles of conscious cats) in the CNS producing aggressive behaviour have the following characteristics: in high doses muscarine acted on muscarinic cholinergic sites, while in small doses it activated the cholinergic sites having muscarinic and nicotinic characteristics <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Radu BM, et al. All muscarinic acetylcholine receptors (M1-M5) are expressed in murine brain microvascular endothelium. *Sci Rep.* 2017;7(1):5083. Published 2017 Jul 11.
- [2]. Beleslin DB, et al. The pharmacology of aggressive behavioural phenomena elicited by muscarine injected into the cerebral ventricles of conscious cats. *Psychopharmacology (Berl).* 1979;60(2):155-158.

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

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