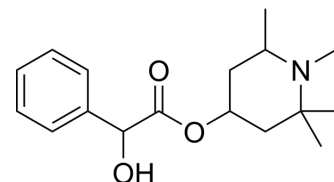


## Eucatropine

<b>Cat. No.:</b>	HY-117284
<b>CAS No.:</b>	100-91-4
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>25</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	291.39
<b>Target:</b>	mAChR
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Eucatropine is a potent muscarinic acetylcholine receptor (mAChR) inhibitor with an IC <sub>50</sub> value of 0.583 μM. Eucatropine is an anticholinergic agent <sup>[1]</sup> .
<b>In Vivo</b>	Eucatropine (0-200 mg/mL; ICV) acts as a mAChR antagonist and can produce behavioral effects through central cholinergic sites in cats <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Schmeller T, et, al. Binding of tropane alkaloids to nicotinic and muscarinic acetylcholine receptors. *Pharmazie*. 1995 Jul;50(7):493-5.
- [2]. Beleslin DB, et, al. Comparative behavioral effects of anticholinergic agents in cats: psychomotor stimulation and aggression. *Pharmacol Biochem Behav*. 1986 Mar;24(3):581-6.

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

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