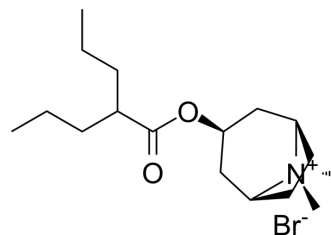


## Anisotropine bromide

Cat. No.:	HY-B1475
CAS No.:	80-50-2
Molecular Formula:	C <sub>17</sub> H <sub>32</sub> BrNO <sub>2</sub>
Molecular Weight:	362.35
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>	Anisotropine (Octatropine) bromide is an orally active anticholinergic muscarinic antagonist. Anisotropine bromide can inhibit gastric acid secretion and is used as an adjunct to peptic ulcers <sup>[1]</sup> .								
<b>In Vivo</b>	<p>Anisotropine bromide (intravenous injection, 0.5 μM and 0.1 mL, once) can block acetylcholine-induced vocalization, intestinal spasm and intestinal contractions in conscious or anesthetized dogs<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Dogs weighing 2.5 to 5.0 kg<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>0.5 μM, 0.1 mL</td> </tr> <tr> <td>Administration:</td> <td>Intravenous injection; once</td> </tr> <tr> <td>Result:</td> <td>Inhibited the acetylcholine-induced vocalization with maximum inhibition of 85.1% and the acetylcholine-induced intestinal spasm with maximum inhibition of 79%.</td> </tr> </table>	Animal Model:	Dogs weighing 2.5 to 5.0 kg <sup>[1]</sup>	Dosage:	0.5 μM, 0.1 mL	Administration:	Intravenous injection; once	Result:	Inhibited the acetylcholine-induced vocalization with maximum inhibition of 85.1% and the acetylcholine-induced intestinal spasm with maximum inhibition of 79%.
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### REFERENCES

[1]. K Nakayama, et al. Effects of anisotropine methylbromide (Valpin) and its mixture with sulpyrine on vocalization response and spasm of intestine induced by acetylcholine in dogs. Jpn J Pharmacol. 1972 Apr;22(2):215-20.

**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