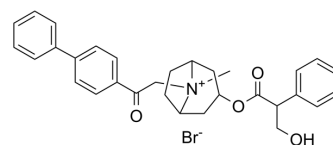


## Fentonium bromide

Cat. No.:	HY-122520
CAS No.:	5868-06-4
Molecular Formula:	C <sub>31</sub> H <sub>34</sub> BrNO <sub>4</sub>
Molecular Weight:	564.51
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Fentonium bromide is an anti-ulcerogenic, anticholinergic and antispasmodic agent. Fentonium bromide can be used in the research of neurological conditions <sup>[1][2][3]</sup> .	
In Vivo	Fentonium bromide (1 mg/kg, i.v.) is an effective antagonist of gastric secretion in rats <sup>[1]</sup> . Fentonium bromide (phentonium, 1 mg/kg, i.p.) prevents stress ulcers in rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Bethanechol-, pentagastrin-, and caerulein-induced gastric secretion in rats <sup>[1]</sup>
	Dosage:	1 mg/kg
	Administration:	Intravenous injection (i.v.)
	Result:	Inhibited gastric acid secretion.
	Animal Model:	Rats <sup>[2]</sup>
	Dosage:	1 mg/kg
	Administration:	Intraperitoneal injection (i.p.)
	Result:	Decreased both the number of pre-ulceral lesions and the number of gastroduodenal ulcers in comparison with untreated controls.

### REFERENCES

- [1]. M Impicciatore, et al. Inhibitory effect of fentonium on gastric acid secretion in different laboratory animals. *Farmaco Sci.* 1977 Jul;32(7):482-9.
- [2]. Jacob Elimar, et al. Action of phentonium in the prevention of stress ulcers in rats. *Revista Brasileira de Clinica e Terapeutica* (1975), 4(7), 295-300.

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

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