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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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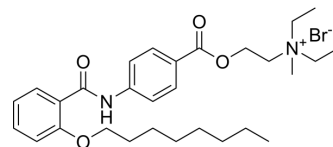
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Otilonium bromide (Standard)

Cat. No.:	HY-B0499AR
CAS No.:	26095-59-0
Molecular Formula:	C ₂₉ H ₄₃ BrN ₂ O ₄
Molecular Weight:	563.57
Target:	mAChR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Otilonium (bromide) (Standard) is the analytical standard of Otilonium (bromide). This product is intended for research and analytical applications. Otilonium bromide (OB) is an orally active mAChR inhibitor and smooth muscle relaxant which can interfere with the mobilization of calcium in intestinal smooth muscle, OB can be used for research of irritable bowel syndrome^{[1][2][3]}.

REFERENCES

- [1]. Battaglia, G., et al., Otilonium bromide in irritable bowel syndrome: a double-blind, placebo-controlled, 15-week study. *Aliment Pharmacol Ther*, 1998. 12(10): p. 1003-10.
- [2]. Gandia, L., et al., Otilonium: a potent blocker of neuronal nicotinic ACh receptors in bovine chromaffin cells. *Br J Pharmacol*, 1996. 117(3): p. 463-470.
- [3]. Lindqvist S, et al. The colon-selective spasmolytic otilonium bromide inhibits muscarinic M(3) receptor-coupled calcium signals in isolated human colonic crypts. *Br J Pharmacol*. 2002 Dec;137(7):1134-42.

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

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