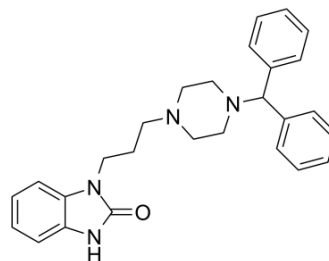


Oxatomide

Cat. No.:	HY-123205
CAS No.:	60607-34-3
Molecular Formula:	C ₂₇ H ₃₀ N ₄ O
Molecular Weight:	426.55
Target:	Histamine Receptor; P2X Receptor; 5-HT Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Oxatomide is a potent and orally active dual H₁-histamine receptor and P2X7 receptor antagonist with antihistamine and anti-allergic activity. Oxatomide almost completely blocks the ATP-induced current in human P2X7 receptors (IC ₅₀ of 0.95 μM). Oxatomide inhibits ATP-induced Ca ²⁺ influx with an IC ₅₀ value of 0.43 μM and also inhibits serotonin [1][2].		
IC ₅₀ & Target	H ₁ Receptor	P2X7	serotonin

REFERENCES

- [1]. Kazuki Yoshida, et al. P2X7 receptor antagonist activity of the anti-allergic agent oxatomide. *Eur J Pharmacol.* 2015 Nov 15;767:41-51.
- [2]. K Ohmori, et al. Pharmacological studies on oxatomide (KW-4354). (7) Antagonistic effects on chemical mediators. *Nihon Yakurigaku Zasshi.* 1983 May;81(5):399-409.

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