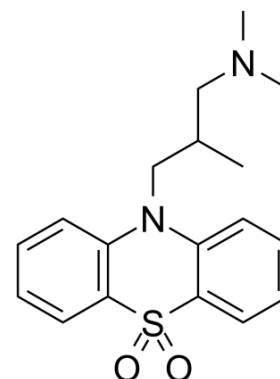


Oxomemazine

Cat. No.:	HY-136587
CAS No.:	3689-50-7
Molecular Formula:	C ₁₈ H ₂₂ N ₂ O ₂ S
Molecular Weight:	330.44
Target:	Histamine Receptor; mGluR
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Oxomemazine is a phenthiazine-based histamine H ₁ -receptor blocker with pronounced antimuscarinic properties. Oxomemazine is a selective antagonist for muscarinic M ₁ receptor, displays about 20-fold difference in the affinity for high (K _i = 84 nM, M ₁ receptor) and low (K _i = 1.65 μM, M ₂ receptor) affinity sites ^[1] . Oxomemazine an antihistamine and anticholinergic agent used for the study of cough treatment ^[2] .		
IC₅₀ & Target	H ₁ Receptor	mGluR 1 84 nM (K _i)	mGluR2 1.65 μM (K _i)

REFERENCES

- [1]. S W Lee, et al. Selectivity of oxomemazine for the M₁ muscarinic receptors. Arch Pharm Res. 1994 Dec;17(6):443-51.
- [2]. M S Siddegowda, et al. Oxomemazine hydro-chloride. Acta Crystallogr Sect E Struct Rep Online. 2011 Aug 1;67(Pt 8):o1875.

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

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