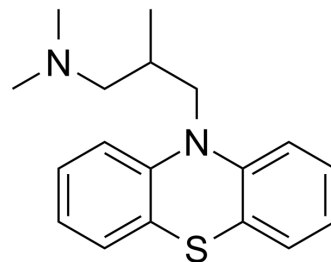


Alimemazine

Cat. No.:	HY-12752
CAS No.:	84-96-8
Molecular Formula:	C ₁₈ H ₂₂ N ₂ S
Molecular Weight:	298.45
Target:	Histamine Receptor
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	Alimemazine is a phenothiazine derivative that is generally used as an antipruritic agent and also a hemagglutinin (HA)-receptor antagonist. Alimemazine (Trimeprazine) is also acts as a partial agonist against the histamine H1 receptor (H1R) and other GPCRs. Alimemazine displays antiserotonin, antispasmodic, and antiemetic properties ^{[1][2]} .
IC ₅₀ & Target	HA receptor ^[1]

REFERENCES

[1]. Singh B, et al. Bioanalytical method development and validation of alimemazine in human plasma by LC-MS/MS and its application in bioequivalence studies. J Pharm Bioallied Sci. 2013 Oct;5(4):257-64.

[2]. Kuznetsova A, et al. Trimeprazine increases IRS2 in human islets and promotes pancreatic β cell growth and function in mice. JCI Insight. 2016;1(3).

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

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