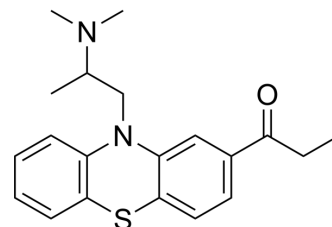


Propiomazine

Cat. No.:	HY-U00051
CAS No.:	362-29-8
Molecular Formula:	C ₂₀ H ₂₄ N ₂ OS
Molecular Weight:	340.48
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	Propiomazine is an orally active antihistamine agent with sedative effects. Propiomazine can be used in the research of insomnia ^{[1][2]} .
In Vivo	Propiomazine (0.2 mg/kg, nasal administration, rats) is quickly absorbed, followed by rapid reduction of the plasma concentrations ^[3] . Propiomazine (25 mg/kg, i.p., at 0 and 3 h after challenge) protects rats against CCl ₄ -induced hepatic injury ^[4] . Propiomazine (0.31-20 mg/kg, i.v.) increases plasma prolactin concentrations in rats ^[5] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. B Midgren, et al. Effects of single doses of propiomazine, a phenothiazine hypnotic, on sleep and oxygenation in patients with stable chronic obstructive pulmonary disease. *Respiration*. 1990;57(4):239-42.
- [2]. Thunander Sundbom L, et al. Sedating antihistamines - risk of severe intoxication. *Lakartidningen*. 2021 Sep 30;118:21037.
- [3]. C.Bjerre, et al. Bioavailability of the sedative propiomazine after nasal administration in rats. *International Journal of Pharmaceutics*, 1996, 144 (2), 217-224.
- [4]. F T Serratori, et al. Promethazine protection in carbon tetrachloride liver injury. An electron microscopic study. *Arch Pathol*. 1969 Jan;87(1):46-51.
- [5]. Fayed M, et al. Effect of propiomazine on plasma prolactin in the rat: counteraction by L-dopa. *Proc Soc Exp Biol Med*. 1985 Apr;178(4):606-9.

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

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