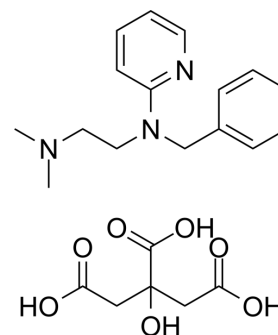


Tripelennamine citrate

Cat. No.:	HY-17428B
CAS No.:	6138-56-3
Molecular Formula:	C ₂₂ H ₂₉ N ₃ O ₇
Molecular Weight:	447.48
Target:	Endogenous Metabolite; Histamine Receptor
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tripelennamine citrate, an ethylenediamine derivative, is a potent histamine H ₁ -receptor antagonist. Tripelennamine citrate lessens the allergic response of the organism caused by histamine. Tripelennamine citrate can be used for the research of rhinitis, conjunctivitis, and allergic and anaphylactic reactions ^{[1][2][3]} .
IC₅₀ & Target	H ₁ Receptor

REFERENCES

- [1]. Manohar M, et al. H₁-receptor antagonist, tripelennamine, does not affect arterial hypoxemia in exercising Thoroughbreds. *J Appl Physiol.* 2002 Apr;92(4):1515-23.
- [2]. Wasfi IA, et al. Comparative disposition of tripelennamine in horses and camels after intravenous administration. *J Vet Pharmacol Ther.* 2000 Jun;23(3):145-52.
- [3]. Yeh SY, et al. The pharmacokinetics of pentazocine and tripelennamine. *Clin Pharmacol Ther.* 1986 Jun;39(6):669-76.

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

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