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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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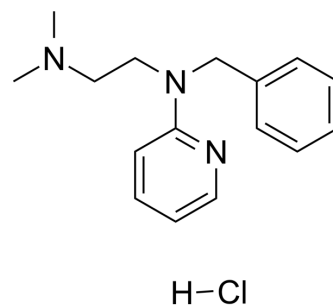
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Tripelennamine hydrochloride

Cat. No.:	HY-17428
CAS No.:	154-69-8
Molecular Formula:	C ₁₆ H ₂₂ ClN ₃
Molecular Weight:	291.82
Target:	Histamine Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (342.68 mM; Need ultrasonic)				
	DMSO : 25 mg/mL (85.67 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.4268 mL	17.1338 mL	34.2677 mL
		5 mM	0.6854 mL	3.4268 mL	6.8535 mL
10 mM		0.3427 mL	1.7134 mL	3.4268 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 33.33 mg/mL (114.21 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.57 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.57 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.57 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tripelennamine hydrochloride, an ethylenediamine derivative, is a potent histamine H1-receptor antagonist. Tripelennamine hydrochloride lessens the allergic response of the organism caused by histamine. Tripelennamine hydrochloride can be used for the research of rhinitis, conjunctivitis, and allergic and anaphylactic reactions ^{[1][2][3]} .
IC ₅₀ & Target	H ₁ Receptor

REFERENCES

- [1]. Manohar M, et al. H1-receptor antagonist, tripeleminamine, 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 tripeleminamine 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 tripeleminamine. Clin Pharmacol Ther. 1986 Jun;39(6):669-76.
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Caution: Product has not been fully validated for medical applications. For research use only.

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