Data Sheet (Cat.No.T1269)

TargetMol
YOUR TARGET MOLECULES

Tripelennamine hydrochloride

Chemical Properties

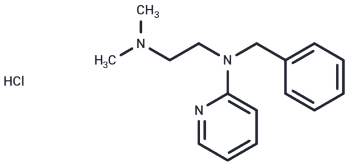
CAS No. : 154-69-8

Formula: C16H21N3·HCl

Molecular Weight: 291.82

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Tripelennamine hydrochloride (Pyribenzamine hydrochloride) is a histamine H1 antagonist with low sedative action but frequent gastrointestinal irritation.
Targets(IC50)	Histamine Receptor
In vitro	In equines, intravenous administration of Tripelennamine HCl (0.5 mg/kg) significantly elevates standing mixed venous blood oxygen tension and hemoglobin-O2 saturation while increasing oxygen content in both arterial and mixed venous blood, leading to central nervous system stimulation, resulting in heightened alertness and anxiety.
In vivo	In both human and rabbit liver microsomes, Tripelennamine inhibits the glucuronidation of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP).

Solubility Information

Solubility	DMSO: 13 mg/mL (44.55 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0685 mL	0.3427 mL	0.6854 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Styczynski PB, et al. Chem Res Toxicol, 1993, 6(6), 846-851.
Tardioli, S, et al. Journal of Raman Spectroscopy, 2011, 42 (5), 12016-1024.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481