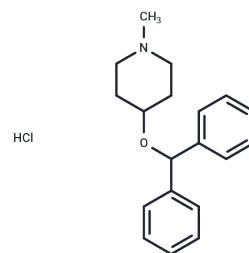


## Diphenylpyraline hydrochloride

## Chemical Properties

CAS No. :	132-18-3
Formula:	C <sub>19</sub> H <sub>23</sub> NO·HCl
Molecular Weight:	317.85
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Diphenylpyraline hydrochloride (4-Diphenylmethoxy-1-methylpiperidine hydrochloride) is used in the treatment of Parkinsonism. It is a first-generation antihistamine with anticholinergic effects, functions as a dopamine reuptake inhibitor.
Targets(IC <sub>50</sub> )	Histamine Receptor

## Solubility Information

Solubility	DMSO: 55 mg/mL (173.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1461 mL	15.7307 mL	31.4614 mL
5 mM	0.6292 mL	3.1461 mL	6.2923 mL
10 mM	0.3146 mL	1.5731 mL	3.1461 mL
50 mM	0.0629 mL	0.3146 mL	0.6292 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

Lapa GB, et al. Eur J Pharmacol. 2005, 506(3):237-40.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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