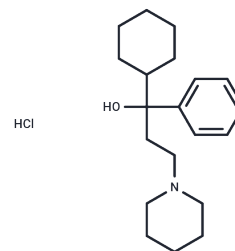


## Trihexyphenidyl hydrochloride

### Chemical Properties

CAS No. :	52-49-3
Formula:	C <sub>20</sub> H <sub>32</sub> ClNO
Molecular Weight:	337.927
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Trihexyphenidyl hydrochloride (Benzhexol hydrochloride) is an antiparkinsonian agent of the antimuscarinic class.
Targets(IC50)	AChR,Cholinesterase (ChE)

### Solubility Information

Solubility	Ethanol: 23 mg/mL (68.06 mM),Sonication is recommended. DMSO: 13 mg/mL (38.47 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9592 mL	14.796 mL	29.5919 mL
5 mM	0.5918 mL	2.9592 mL	5.9184 mL
10 mM	0.2959 mL	1.4796 mL	2.9592 mL
50 mM	0.0592 mL	0.2959 mL	0.5918 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

- Huang Y, et al. J Neuroinflammation. 2016, 13(1):175.  
Amal M. Moustafa, et al. The Egyptian Journal of Histology. 2011, 34:687-696.

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