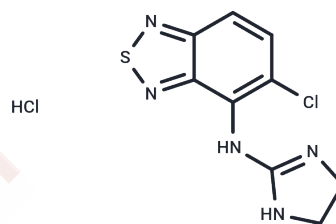


## Tizanidine hydrochloride

## Chemical Properties

CAS No. :	64461-82-1
Formula:	C <sub>9</sub> H <sub>9</sub> ClN <sub>2</sub> S
Molecular Weight:	290.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Tizanidine hydrochloride (Tizanidine HCl), an $\alpha$ 2-adrenergic receptor agonist, inhibits neurotransmitter release from CNS noradrenergic neurons.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 45 mg/mL (155.08 mM), Sonication is recommended. H2O: 29 mg/mL (99.94 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4463 mL	17.2313 mL	34.4626 mL
5 mM	0.6893 mL	3.4463 mL	6.8925 mL
10 mM	0.3446 mL	1.7231 mL	3.4463 mL
50 mM	0.0689 mL	0.3446 mL	0.6893 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

Piletz JE, et al. J Pharmacol Exp Ther. 1996 Nov;279(2):694-702.

Xu C, Zhou Y, Liu Y, et al. Specific pharmacological and Gi/o protein responses of some native GPCRs in neurons. Nature Communications. 2024, 15(1): 1990.

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