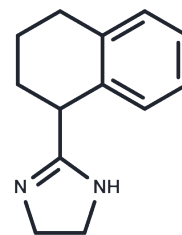


## Tetrahydrozoline hydrochloride

## Chemical Properties

CAS No. : 522-48-5  
 Formula: C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>·HCl  
 Molecular Weight: 236.74  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

HCl



## Biological Description

Description	Tetrahydrozoline hydrochloride (Murine Plus) is an imidazoline derivative with alpha receptor agonist activity.
Targets(IC50)	Adrenergic Receptor
In vitro	Tetrahydrozoline HCl is an imidazoline derivative with alpha receptor agonist activity. [1] Its main mechanism of action is the constriction of conjunctival blood vessels. [2]
In vivo	Tetrahydrozoline HCl inhibits settlement of the Barnacle Balanus improvisus at 1 µM. [2]

## Solubility Information

Solubility	H <sub>2</sub> O: 43 mg/mL (181.63 mM), Sonication is recommended. Ethanol: 25 mg/mL (105.6 mM), Sonication is recommended. DMSO: 10 mg/mL (42.24 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.224 mL	21.1202 mL	42.2404 mL
5 mM	0.8448 mL	4.224 mL	8.4481 mL
10 mM	0.4224 mL	2.112 mL	4.224 mL
50 mM	0.0845 mL	0.4224 mL	0.8448 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

Spiller H, et al. Clin Toxicol (Phila), 2008, 46(2), 171-172.

Dahlström M, et al. J Exp Zool A Comp Exp Biol, 2005, 303(7), 551-562.

**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