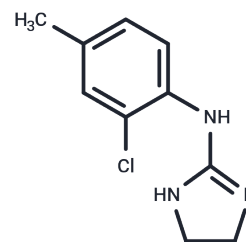


## Tolonidine

## Chemical Properties

CAS No. :	4201-22-3
Formula:	C <sub>10</sub> H <sub>12</sub> ClN <sub>3</sub>
Molecular Weight:	209.68
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Tolonidine is a potent antihypertensive agent that functions as an alpha-adrenergic receptor agonist. Structurally related to clonidine, it modulates the circulatory system by acting on central and peripheral alpha-adrenergic receptors. It effectively reduces blood pressure and peripheral vascular resistance while influencing cardiac contraction and circulatory parameters. Studies also indicate that Tolonidine modulates autonomic receptor activity and promotes diuresis.
Targets(IC50)	RAAS

## Solubility Information

Solubility	DMSO: 80 mg/mL (381.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7692 mL	23.8459 mL	47.6917 mL
5 mM	0.9538 mL	4.7692 mL	9.5383 mL
10 mM	0.4769 mL	2.3846 mL	4.7692 mL
50 mM	0.0954 mL	0.4769 mL	0.9538 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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