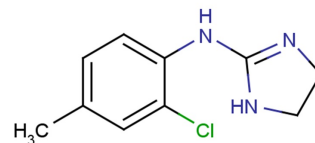


Tolonidine

Chemical Properties

CAS No.:	4201-22-3
Formula:	C ₁₀ H ₁₂ ClN ₃
Molecular Weight:	209.68
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tolonidine is orally active and has been shown to possess hypotensive. Tolonidine is a derivative of imidazoline.
Targets(IC ₅₀)	Others: None
In vivo	Tolonidine (i.v.) administered decreases the amplitude of ventricular contractions, reduces aortic blood flow, and increases peripheral vascular resistance in the anesthetized dog. Tolonidine induces a long-lasting increase in blood pressure with no secondary hypotension, thus suggesting peripheral sympathomimetic properties in the bivagotomized pithed rat.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.769 mL	23.846 mL	47.692 mL
5 mM	0.954 mL	4.769 mL	9.538 mL
10 mM	0.477 mL	2.385 mL	4.769 mL
50 mM	0.095 mL	0.477 mL	0.954 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cosnier D, et al. Pharmacological properties of 2-(2-chloro-p-toluidino)-2-imidazoline-nitrate (tolonidine), a new antihypertensive agent. II. Action on cardiac contraction, circulatory parameters, autonomic receptors and diuresis. *Arzneimittelforschung*. 1975 Nov;25(11):1802-6.

Inhibitors · Natural Compounds · Compound Libraries

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