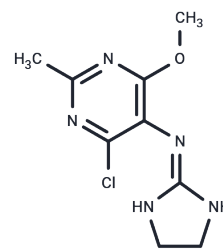


## Moxonidine

## Chemical Properties

CAS No. :	75438-57-2
Formula:	C <sub>9</sub> H <sub>12</sub> ClN <sub>5</sub> O
Molecular Weight:	241.68
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Moxonidine (BDF5895) is a selective agonist at the imidazoline receptor subtype 1, acting as an antihypertensive drug.
Targets(IC50)	Adrenergic Receptor, Imidazoline Receptor, LDLR

## Solubility Information

Solubility	DMSO: 16.67 mg/mL (68.98 mM), Sonication is recommended. Ethanol: 2 mg/mL (8.28 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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (8.28 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1377 mL	20.6885 mL	41.377 mL
5 mM	0.8275 mL	4.1377 mL	8.2754 mL
10 mM	0.4138 mL	2.0689 mL	4.1377 mL
50 mM	0.0828 mL	0.4138 mL	0.8275 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

Aceros H, et al. Eur J Pharmacol. 2014 Oct 5;740:168-82.

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