

RX 801077

## Chemical Properties

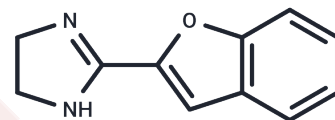
CAS No. : 72583-92-7

Formula: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O

Molecular Weight: 186.21

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	RX 801077 is a highly selective alpha2-adrenoceptor antagonist. It enhances norepinephrine release in the synapse, used for depression, cognitive impairment, and CNS pharmacology research.
Targets(IC50)	Adrenergic Receptor
In vivo	RX 801077 (5-20 mg/kg i.p.) reduces brain edema in TBI rats by inhibiting NLRP3 activation and downregulating RIP1/RIP3 [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3703 mL	26.8514 mL	53.7028 mL
5 mM	1.0741 mL	5.3703 mL	10.7406 mL
10 mM	0.537 mL	2.6851 mL	5.3703 mL
50 mM	0.1074 mL	0.537 mL	1.0741 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

J Eintracht, et al. Calcium entry in Trypanosoma brucei is regulated by phospholipase A2 and arachidonic acid. Biochem J. 1998 Dec 15;336 ( Pt 3)(Pt 3):659-66.

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