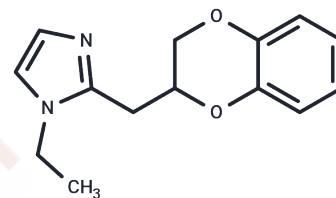


## Imiloxan

## Chemical Properties

CAS No. :	81167-16-0
Formula:	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	244.29
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	Imiloxan (RS-21361) is an $\alpha_2$ adrenergic receptor antagonist used in the treatment of major depressive disorder.
Targets(IC50)	Adrenergic Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0935 mL	20.4675 mL	40.935 mL
5 mM	0.8187 mL	4.0935 mL	8.187 mL
10 mM	0.4093 mL	2.0467 mL	4.0935 mL
50 mM	0.0819 mL	0.4093 mL	0.8187 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

- A D Michel, et al. Assessment of imiloxan as a selective alpha 2B-adrenoceptor antagonist. Br J Pharmacol. 1990 Mar;99(3):560-4.
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- Fitch WL, et al. Application of modern drug metabolism structure determination tools and assays to the in vitro metabolism of imiloxan. Drug Metab Lett. 2010 Apr;4(2):77-87.
- Takano Y, et al. The effect of intrathecally administered imiloxan and WB4101: possible role of alpha 2-adrenoceptor subtypes in the spinal cord. Eur J Pharmacol. 1992 Sep 4;219(3):465-8.

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