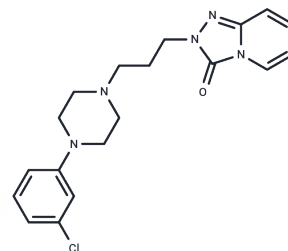


## Trazodone

## Chemical Properties

CAS No. :	19794-93-5
Formula:	C <sub>19</sub> H <sub>22</sub> ClN <sub>5</sub> O
Molecular Weight:	371.86
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	Trazodone (AF-1161), a 5-HT 2A/2C receptor antagonist, is used as an antidepressant for treating major anxiety disorders and depressive disorder.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor, Histamine Receptor, Serotonin Transporter

## Solubility Information

Solubility	Ethanol: 15 mg/mL (40.34 mM), Sonication is recommended. H <sub>2</sub> O: Insoluble, DMSO: 83.33 mg/mL (224.09 mM), Sonication is recommended. ( $< 1$ 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 (5.38 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.6892 mL	13.4459 mL	26.8918 mL
5 mM	0.5378 mL	2.6892 mL	5.3784 mL
10 mM	0.2689 mL	1.3446 mL	2.6892 mL
50 mM	0.0538 mL	0.2689 mL	0.5378 mL

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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.

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