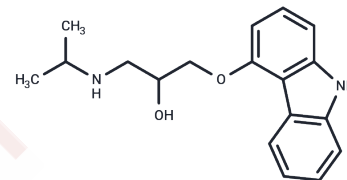


## Carazolol

## Chemical Properties

CAS No. :	57775-29-8
Formula:	C <sub>18</sub> H <sub>22</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	298.38
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	Carazolol (Suacron) is a high-affinity antagonist/partial inverse agonist (also referred to as a beta blocker) of the $\beta$ -adrenergic receptor.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 250 mg/mL (837.86 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: $< 10$ mg/mL (33.51 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (33.51 mM), Solution. <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	3.3514 mL	16.7572 mL	33.5143 mL
5 mM	0.6703 mL	3.3514 mL	6.7029 mL
10 mM	0.3351 mL	1.6757 mL	3.3514 mL
50 mM	0.067 mL	0.3351 mL	0.6703 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

Innis RB et al. Life Sci. 24 (24): 2255-64.

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