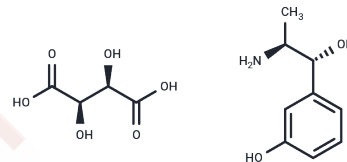


## Metaraminol tartrate

## Chemical Properties

CAS No. :	33402-03-8
Formula:	C <sub>13</sub> H <sub>19</sub> N <sub>0</sub> O <sub>8</sub>
Molecular Weight:	317.29
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	Metaraminol tartrate (Metaradrine tartrate) is a sympathomimetic agent that acts predominantly at alpha-1 adrenergic receptors. It has been used primarily as a vasoconstrictor in the treatment of HYPOTENSION.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 50 mg/mL (157.58 mM),Sonication is recommended. H <sub>2</sub> O: 198.6 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: 2.5 mg/mL (7.88 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	3.1517 mL	15.7585 mL	31.5169 mL
5 mM	0.6303 mL	3.1517 mL	6.3034 mL
10 mM	0.3152 mL	1.5758 mL	3.1517 mL
50 mM	0.063 mL	0.3152 mL	0.6303 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

Tatsuta M, et al. Int J Y. 1998 Jul 29;77(3):467-9.

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