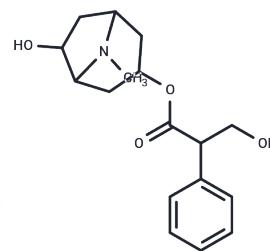


## Racanisodamine

## Chemical Properties

CAS No. :	17659-49-3
Formula:	C <sub>17</sub> H <sub>23</sub> NO <sub>4</sub>
Molecular Weight:	305.37
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	Racanisodamine (7β-Hydroxyhyoscyamine) is an anticholinergic and α1-adrenergic receptor antagonist used in the treatment of acute circulatory shock.
Targets(IC50)	Adrenergic Receptor, AChR

## Solubility Information

Solubility	DMSO: 250 mg/mL (818.68 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 (6.55 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (32.75 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	3.2747 mL	16.3736 mL	32.7472 mL
5 mM	0.6549 mL	3.2747 mL	6.5494 mL
10 mM	0.3275 mL	1.6374 mL	3.2747 mL
50 mM	0.0655 mL	0.3275 mL	0.6549 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

Zhang WW, et al. Neurosci Lett. 2008 Oct 10;443(3):241-5.

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