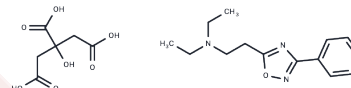


## Oxolamine citrate

## Chemical Properties

CAS No. :	1949-20-8
Formula:	C <sub>14</sub> H <sub>19</sub> N <sub>3</sub> O·C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>
Molecular Weight:	437.44
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	Oxolamine citrate (AF-438 citrate) is a cough suppressant that is able to be used as a generic drug in many jurisdictions.
Targets(IC50)	Others,Cytochromes P450

## Solubility Information

Solubility	DMSO: 50 mg/mL (114.3 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 (4.57 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	2.286 mL	11.4301 mL	22.8603 mL
5 mM	0.4572 mL	2.286 mL	4.5721 mL
10 mM	0.2286 mL	1.143 mL	2.286 mL
50 mM	0.0457 mL	0.2286 mL	0.4572 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

Ceyhan BB, Karakurt S. Respir Med. 2002 Jan;96(1):61-3.

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