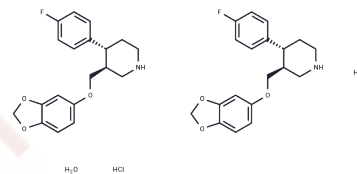


## Paroxetine hydrochloride hemihydrate

## Chemical Properties

CAS No. :	110429-35-1
Formula:	C <sub>38</sub> H <sub>44</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>2</sub> O <sub>7</sub>
Molecular Weight:	749.67
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	Paroxetine hydrochloride hemihydrate (Paxil) is an effective and selective serotonin reuptake inhibitor (SSRI).
Targets(IC50)	5-HT Receptor, Autophagy, GRK, Serotonin Transporter

## Solubility Information

Solubility	DMSO: 45 mg/mL (60.03 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: 5 mg/mL (6.67 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	1.3339 mL	6.6696 mL	13.3392 mL
5 mM	0.2668 mL	1.3339 mL	2.6678 mL
10 mM	0.1334 mL	0.667 mL	1.3339 mL
50 mM	0.0267 mL	0.1334 mL	0.2668 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

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Qin B, et al. Efficacy, acceptability, and tolerability of antidepressant treatments for patients with post-stroke depression: a network meta-analysis. Braz J Med Biol Res. 2018;51(7):e7218.

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