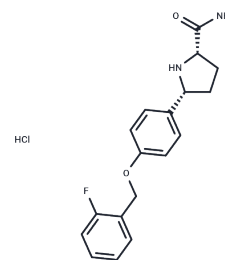


## Raxatrigine hydrochloride

## Chemical Properties

CAS No. :	934240-31-0
Formula:	C <sub>18</sub> H <sub>20</sub> ClFN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	350.82
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	Raxatrigine hydrochloride is a state-dependent sodium channel blocker and a Nav1.7 sodium channel inhibitor.
Targets(IC50)	Others,Sodium Channel

## Solubility Information

Solubility	DMSO: 31 mg/mL (88.36 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 (5.7 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	2.8505 mL	14.2523 mL	28.5046 mL
5 mM	0.5701 mL	2.8505 mL	5.7009 mL
10 mM	0.285 mL	1.4252 mL	2.8505 mL
50 mM	0.057 mL	0.285 mL	0.5701 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

Large CH, et al. The efficacy of sodium channel blockers to prevent phencyclidine-induced cognitive dysfunction in the rat: potential for novel treatments for schizophrenia. J Pharmacol Exp Ther. 2011 Jul;338(1):100-13.

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