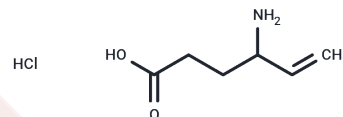


Vigabatrin Hydrochloride

Chemical Properties

CAS No. :	1391054-02-6
Formula:	C ₆ H ₁₁ NO ₂ ·HCl
Molecular Weight:	165.62
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	Vigabatrin Hydrochloride (γ -Vinyl-GABA hydrochloride) is a structural analog of the inhibitory neurotransmitter γ -aminobutyric acid (GABA), which irreversibly inhibits the catabolism of GABA by GABA transaminase.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility	DMSO: 27.5 mg/mL (166.04 mM), Sonication and heating are 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 (12.08 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	6.0379 mL	30.1896 mL	60.3792 mL
5 mM	1.2076 mL	6.0379 mL	12.0758 mL
10 mM	0.6038 mL	3.019 mL	6.0379 mL
50 mM	0.1208 mL	0.6038 mL	1.2076 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

Tyacke RJ, et al. Adv Pharmacol. 2010;58:373-96.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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