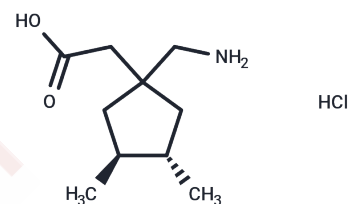


Atagabalin HCl

Chemical Properties

CAS No. :	223445-67-8
Formula:	C ₁₀ H ₂₀ ClNO ₂
Molecular Weight:	221.72
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	Atagabalin HCl is a novel voltage-dependent calcium channel (VDCC) $\alpha 2\delta$ subunit (1 and 2) ligand that affects slow-wave sleep and can be used to treat insomnia.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (248.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5102 mL	22.551 mL	45.1019 mL
5 mM	0.902 mL	4.5102 mL	9.0204 mL
10 mM	0.451 mL	2.2551 mL	4.5102 mL
50 mM	0.0902 mL	0.451 mL	0.902 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

Corrigan B, et al. Effect of renal impairment on the pharmacokinetics of PD 0200390, a novel ligand for the voltage-gated calcium channel alpha-2-delta subunit. Br J Clin Pharmacol. 2009 Aug;68(2):174-80.

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