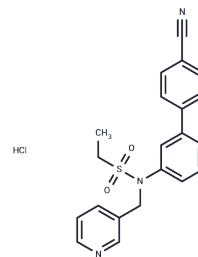


CBiPES hydrochloride

Chemical Properties

CAS No. :	856702-40-4
Formula:	C ₂₁ H ₂₀ ClN ₃ O ₂ S
Molecular Weight:	413.92
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	CBiPES hydrochloride (CBiPES HCl) is a potent orthosteric modulator of the mGlu ₂ receptor with an EC ₅₀ value of 92.8 nM. CBiPES hydrochloride blocks the action of WT and mGlu(3) receptors. CBiPES hydrochloride can be used to study neurological disorders like epilepsy and Parkinson's syndrome. CBiPES hydrochloride can be used to study neurological disorders like epilepsy and Parkinson's syndrome.
Targets(IC50)	GluR

Solubility Information

Solubility	DMSO: < 41.39 mg/mL, 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	2.4159 mL	12.0796 mL	24.1593 mL
5 mM	0.4832 mL	2.4159 mL	4.8319 mL
10 mM	0.2416 mL	1.208 mL	2.4159 mL
50 mM	0.0483 mL	0.2416 mL	0.4832 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

Frouni I, et al. Effect of the mGlu2 positive allosteric modulator CBiPES on dyskinesia, psychosis-like behaviours and parkinsonism in the MPTP-lesioned marmoset. *J Neural Transm (Vienna)*. 2021 Jan;128(1):73-81.

Johnson MP, et al. Metabotropic glutamate 2 receptor potentiators: receptor modulation, frequency-dependent synaptic activity, and efficacy in preclinical anxiety and psychosis model(s). *Psychopharmacology (Berl)*. 2005 Apr; 179(1):271-83.

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