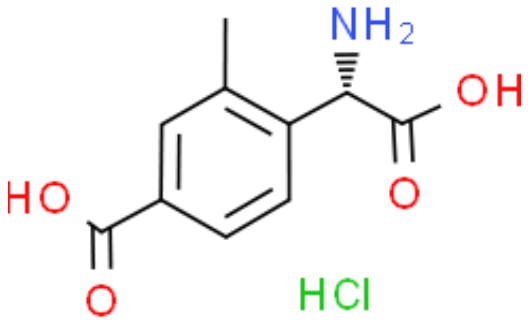
Product Data Sheet

Cas No.:	2829282-00-8	Cat. No:	PL07157
Product Name:	LY367385 hydrochloride		
Product synonym:	-		
Chemical name:	LY367385 hydrochloride		
MF:	C10H12CLNO4	FW:	245.66
Purity:	≥98%	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	OC(C1C=CC([C@@H](C(=O)O)N)=C(C)C=1)=O.Cl		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

LY367385 hydrochloride 是一种高效且选择性的 mGluR1a 拮抗剂，抑制喹喹啉诱导的磷酸肌醇水解的 IC_{50} 值为 8.8 μM，而对 mGlu5a 的 IC_{50} 值大于 100 μM。LY367385 hydrochloride 具有神经保护，抗惊厥和抗癫痫作用。

生物活性	LY367385 hydrochloride is a highly selective and potent mGluR1a antagonist. LY367385 hydrochloride has an IC 50 of 8.8 μM for inhibiting of quisqualate-induced phosphoinositide (PI) hydrolysis, compared with >100 μM for mGlu5a. LY367385 hydrochloride has neuroprotective, anticonvulsant and antiepileptic effects.
IC50 & Target[1][2]	mGluR1a 8.8 μM (IC50)
体外研究(In Vitro)	LY367385 combined with N-methyl-D-aspartate (NMDA) during the toxic pulse attenuates neuronal degeneration in a concentration-dependent fashion, with a maximal reduction of NMDA toxicity ranging from 40 to 60%. LY367385 shows greater efficacy than LY367366 and neither of these compounds influenced neuronal viability per se. LY367385 shows potent neuroprotective effects, with causing a 50% reduction in (S)-3,5-Dihydroxyphenylglycine (DHPG) potentiation at a concentration of 10 nM. Under experimental conditions at higher concentrations of antagonist, LY367385 a completely antagonized the amplification of NMDA toxicity by DHPG. has not independently confirmed the accuracy of these methods. They are for reference only.

体内研究(In Vivo)	LY367385 has been administered intracerebroventricularly (i.c.v.) to DBA/2 mice and lethargic mice (lh/lh), and focally into the inferior colliculus of genetically epilepsy prone rats (GEPR). In DBA/2 mice, LY367385 produces a rapid, transient suppression of sound-induced clonic seizures ED50 = 12 nM, i.c.v., 5 min). In lethargic mice, LY367385 significantly reduces the incidence of spontaneous spike and wave discharges on the electroencephalogram, from 30 to >150 min after the administration of LY367385, 250 nM, i.c.v. In genetically epilepsy prone rats, LY367385 reduces sound-induced clonic seizures. LY367385, 160 nM bilaterally, fully suppresses clonic seizures after 2-4 h. has not independently confirmed the accuracy of these methods. They are for reference only.
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)
溶解度数据	In Vitro: DMSO : 125 mg/mL (508.83 mM; Need ultrasonic)H_2O : 12.5 mg/mL (50.88 mM; Need ultrasonic)配制储备液