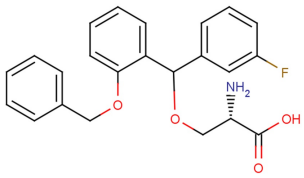
Data Sheet (Cat.No.T14198)

TargetMol
A DRUG SCREENING EXPERT

ALX-1393

Chemical Properties



CAS No.:	949164-09-4
Formula:	C23H22FNO4
Molecular Weight:	395.42
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	ALX-1393 is a selective inhibitor of GlyT2.
Targets(IC_{50})	GlyT2: None
In vivo	ALX1393 inhibits mechanical and cold hyperalgesia in a dose-dependent manner[2]. ALX1393 (i.c.v.; 25, 50, and 100 μg) in normal rats suppresses the late-phase response in the formalin test but does not affect motor performance.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.529 mL	12.645 mL	25.29 mL
5 mM	0.506 mL	2.529 mL	5.058 mL
10 mM	0.253 mL	1.264 mL	2.529 mL
50 mM	0.051 mL	0.253 mL	0.506 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Haranishi Y, et al. The antinociceptive effect of intrathecal administration of glycine transporter-2 inhibitor ALX1393 in a rat acute pain model. Anesth Analg. 2010 Feb 1;110(2):615-21.

2. Takahashi Y, et al. Antinociceptive effect of intracerebroventricular administration of glycine transporter-2 inhibitor ALX1393 in rat models of inflammatory and neuropathic pain. Pharmacol Biochem Behav. 2015 Mar;130:46-52.

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Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481