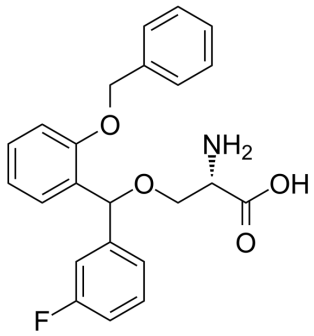
ALX-1393

Cat. No.:	HY-111029
CAS No.:	949164-09-4
Molecular Formula:	$C_{23}H_{22}FNO_4$
Molecular Weight:	395.42
Target:	GlyT
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	ALX-1393, a selective GlyT2 inhibitor, has an antinociceptive effect on thermal, mechanical, and chemical stimulations in a rat acute pain model[1].
IC_{50} & Target	GlyT2
In Vivo	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. ALX1393 inhibits mechanical and cold hyperalgesia in a dose-dependent manner[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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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