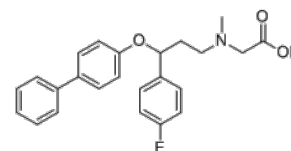


Product Name : NFPS
Cat. No. : PC-61460
CAS No. : 405225-21-0
Molecular Formula : C₂₄H₂₄FNO₃
Molecular Weight : 393.45
Target : Glycine Transporter (GlyT)
Solubility :



Biological Activity

NFPS (ALX-5407) is a potent, selective **GlyT1** inhibitor with IC₅₀ of 2.8 and 9.8 nM for hGlyT1 and rGlyT1 respectively, >5,000-fold selectivity over rGlyT2; inhibits glycine transport by the GlyT1a, b and c subtypes of glycine transporters, but has no effect on the GLYT2a subtype of transporter; reverses PCP-induced changes in EEG power spectra in conscious rats (1-10 mg/kg i.p.), significantly enhances long-term potentiation in the hippocampal dentate gyrus in vivo.

References

- Aubrey KR, et al. *Br J Pharmacol*. 2001 Dec;134(7):1429-36.
- Harsing LG Jr, et al. *Pharmacol Biochem Behav*. 2003 Mar;74(4):811-25.
- Bergeron R, et al. *Proc Natl Acad Sci U S A*. 1998 Dec 22;95(26):15730-4.
- Kinney GG, et al. *J Neurosci*. 2003 Aug 20;23(20):7586-91.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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