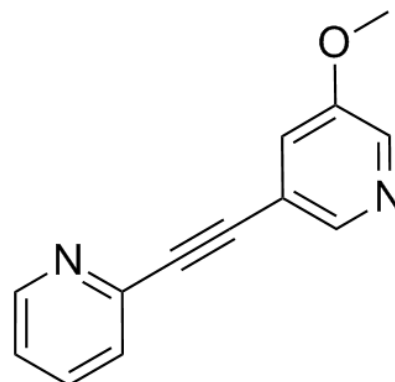


Product Name : Methoxy-PEPy
Cat. No. : PC-43079
CAS No. : 524924-76-3
Molecular Formula : C₁₃H₁₀N₂O
Molecular Weight : 210.2313
Target : mGluR
Solubility : 10 mM in DMSO



Biological Activity

Methoxy-PEPy is a potent, selective mGlu5 receptor antagonist with IC₅₀ of 1 nM; exhibits 14-fold higher binding in forebrain relative to cerebellum in mGlu5 receptor-deficient mice, the radioligand [³H]methoxy-PEPy is useful for determining the occupancy of mGlu5 receptors in the brain.

References

- Cosford ND, et al. *Bioorg Med Chem Lett*. 2003 Feb 10;13(3):351-4.
Anderson JJ, et al. *Eur J Pharmacol*. 2003 Jul 18;473(1):35-40.
Salisbury BG, et al. *Eur J Pharmacol*. 2008 Jan 28;579(1-3):34-9.
Hellyer SD, et al. *Mol Pharmacol*. 2018 Mar 7. pii: mol.117.111518.

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

E-mail: tech@probechem.com