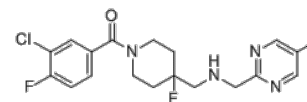


Product Name : NLX-101
Cat. No. : PC-73308
CAS No. : 635323-95-4
Molecular Formula : C₁₉H₂₁ClF₂N₄O
Molecular Weight : 394.85
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

NLX-101 (F15599) is a potent, highly selective post-synaptic **5-HT_{1A}** receptor agonist with K_i of 3.4 nM.

NLX-101 (F15599) is over 1000-fold selective with respect to the other 5-HT₁ receptor subtypes, 5-HT₂₋₇ receptor families, and also numerous GPCRs, transporters, ion channels, and enzymes.

NLX-101 (F15599) activates h5-HT_{1A} receptors with an efficacy superior to that of the prototypical 5-HT_{1A} agonist (+/-)-8-OH-DPAT in cellular model of signal transduction.

NLX-101 (F15599), unlike 5-HT, more potently and efficaciously stimulated G(α_i) than G(α_o) activation.

NLX-101 (F15599) potently activated ERK1/2 phosphorylation and strongly induced c-fos mRNA expression in rat prefrontal cortex.

NLX-101 (F15599) attenuates muscular hyperalgesia in reserpine-induced myalgia model.

References

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Assié MB, et al. *Int J Neuropsychopharmacol.* 2010 Nov;13(10):1285-98.

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

E-mail: tech@probechem.com