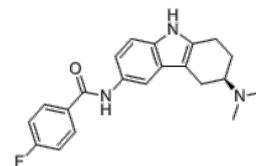


Product Name : LY344864
Cat. No. : PC-49006
CAS No. : 186544-26-3
Molecular Formula : C₂₁H₂₂N₃O
Molecular Weight : 351.425
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

LY344864 is a potent, selective agonist of **5-HT_{1F} receptor** with K_i value of 6 nM, with little to no affinity for other serotonergic and non-serotonergic neuronal binding sites.

LY344864 inhibited forskolin-induced cyclic AMP accumulation in cells stably transfected with human 5-HT_{1F} receptors with EC₅₀ of 3 nM.

Oral and intravenous LY344864 administration potently inhibited dural protein extravasation caused by electrical stimulation of the trigeminal ganglion in rats.

LY 344864 decreased the number of capsaicin-induced c-fos-like immunoreactive cells within trigeminal nucleus caudalis (ID₅₀=0.6 mg/kg).

References

Phebus LA, et al. *Life Sci.* 1997;61(21):2117-26.

Mitsikostas DD, et al. *Eur J Pharmacol.* 1999 Mar 26;369(3):271-7.

Cohen ML, et al. *J Pharmacol Exp Ther.* 1999 Sep;290(3):935-9.

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

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