

LY334370

Catalog No: tcsc0025021



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

182563-08-2

Formula:

$C_{21}H_{22}FN_3O$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 55.5 mg/mL (157.93 mM)

Observed Molecular Weight:

351.42

Product Description

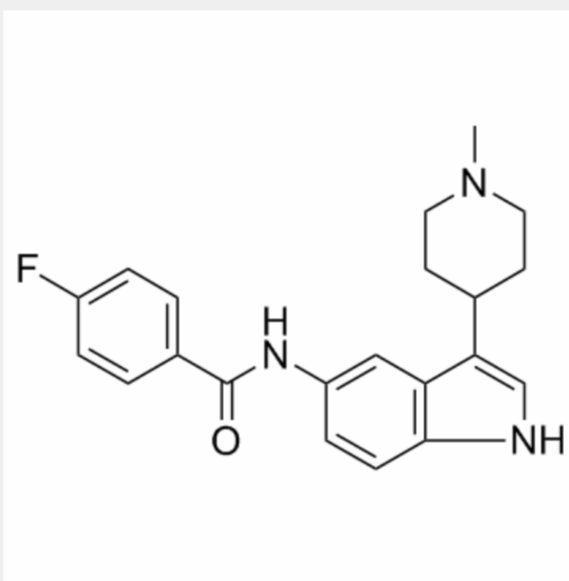
LY334370 is a selective **5-HT_{1F}** receptor agonist with a **K_i** of 1.6 nM.

IC50 & Target: K_i: 1.6 nM (5-HT_{1F})

In Vitro: LY334370 has no vasoconstrictor effects on human cerebral arteries *in vitro* until a dose of 10⁻⁵ M, at which it produces a contraction of 8.5±5.7%; however, this is not significant^[1].

In Vivo: Following intravenous administration of LY334370 at 3 mg/kg (n=3) or 10 mg/kg (n=6) electrical stimulation evokes an increase in dural blood vessel diameter of 135±6% and 106±11%, respectively, which is not significantly different from the respective control values. LY334370 has no effect on dural blood vessel diameter *per se*, since the actual

dural blood vessel diameter is 43±4 arbitrary units before drug and 43±4 arbitrary units 15 min after injection of LY334370 (10 mg/kg)^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!