

BRL 54443

Catalog No: tcsc2025



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

57477-39-1

Formula:

$C_{14}H_{18}N_2O$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 51 mg/mL (221.44 mM)

Observed Molecular Weight:

230.31

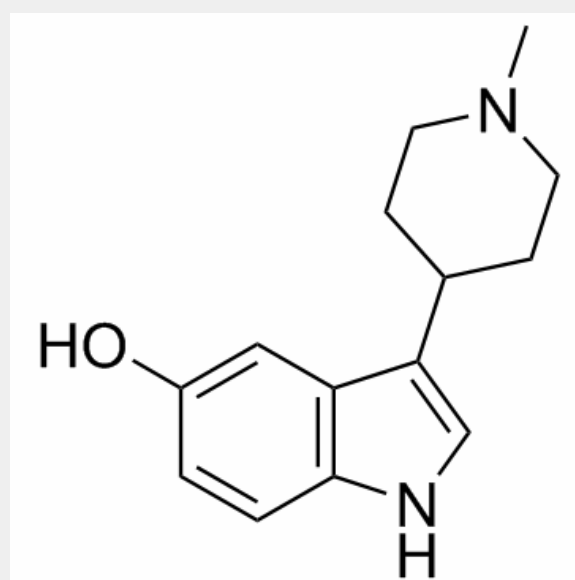
Product Description

BRL 54443 is a potent 5-HT_{1E/1F} receptor agonist (pK_i values are 8.7 and 8.9 respectively); displays > 30-fold selectivity over other 5-HT and dopamine receptors.

IC₅₀ value: 8.7(pK_i, 5-HT_{1E}); 8.9 (pK_i, 5-HT_{1F})

Target: 5-HT_{1E/1F} receptor

in vitro: BRL 54443 is a potent 5-HT_{1E/1F} receptor agonist (pEC₅₀ values are 8.5 and 8.6 respectively). Displays > 30-fold selectivity over other 5-HT and dopamine receptors (pK_i values are 8.7, 8.9, 7.2, 6.9, 7.2, 5.9, 7.0, 6.5,
in vivo: Reduction of flinching was considered as antinociception. Ipsilateral, but not contralateral, peripheral administration of BRL54443 (5-HT_{1E/1F}); 3-300 microg/paw) significantly reduced formalin-induced flinching in rats [3].



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