

YL0919

Catalog No: tcsc5980



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1339058-04-6

Formula:

$C_{18}H_{23}ClN_2O_2$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 30 mg/mL (89.60 mM)

Observed Molecular Weight:

334.84

Product Description

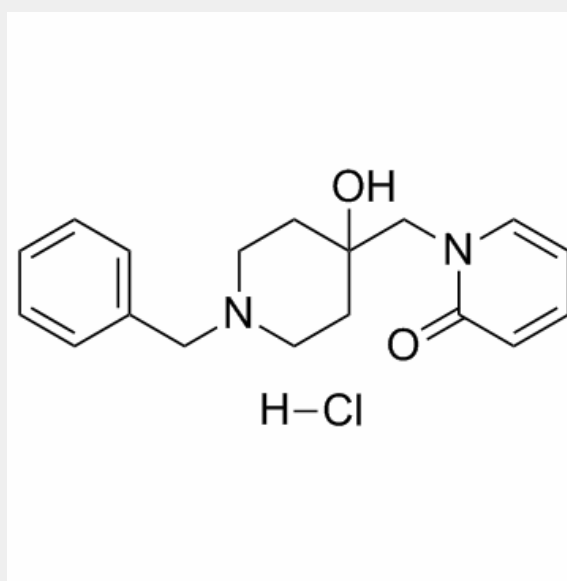
YL0919, a novel antidepressant candidate with dual activity as a 5-HT_{1A} receptor agonist and a selective serotonin reuptake inhibitor, the IC₅₀ values of YL-0919 inhibiting the uptake of 5-HT into rat cerebral cortical synaptosomes and human recombinant cells were 1.78±0.34 nM and 1.93±0.18 nM respectively.

target: 5-HT_{1A} receptor

IC₅₀:1.78±0.34 nM(rat cerebral cortical synaptosomes)

IC₅₀:1.93±0.18 nM(human recombinant cells)[1]\"

In vivo: WAY-100635 completely antagonized the antidepressant-like activity of YL-0919 in both behavioral models, suggesting that activation of the 5-HT_{1A} receptor is critical in the antidepressant-like effect of YL-0919. The administered dose of WAY-100635 ranged from 0.1-0.3 mg/kg, which reportedly has no effect on locomotor activity and only blocks the activation of 5-HT_{1A} receptor.[2]



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