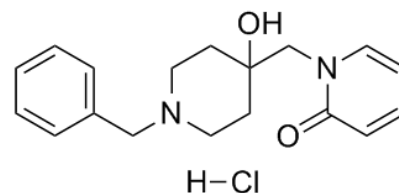


Product Name : YL0919
Cat. No. : PC-42254
CAS No. : 1339058-04-6
Molecular Formula : C₁₈H₂₃ClN₂O₂
Molecular Weight : 334.8404
Target : 5-HT Receptor
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

YL0919 (Hyridone hydrochloride) is an orally active, dual **5-HT_{1A}** agonist and selective serotonin reuptake inhibitor with K_i of 0.19 nM and IC₅₀ of 1.78 nM, respectively.

YL0919 shows no affinity for dopamine receptors and others 5-HT receptors.

YL0919 inhibits forskolin-stimulated cAMP formation and 5-HT uptake in both rat cortical synaptosomes and recombinant cells.

YL0919 significantly reverses the depressive-like behaviors in chronically stressed rats.

References

Chen HX, et al. *PLoS One*. 2013 Dec 18;8(12):e83271.

Zhang LM, et al. *Br J Pharmacol*. 2017 May;174(9):769-780.

Qin JJ, et al. *Neurosci Lett*. 2014 Oct 17;582:104-8.

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

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