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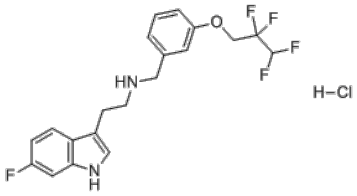
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Idalopirdine hydrochloride
Cat. No.	:	PC-21670
CAS No.	:	467458-02-2
Molecular Formula	:	$C_{20}H_{20}ClF_5N_2O$
Molecular Weight	:	434.84
Target	:	5-HT Receptor
Solubility	:	10 mM in DMSO



Biological Activity

Idalopirdine (Lu AE58054) is a potent, selective 5-HT6 receptor antagonist with Ki of 0.83 nM.
Idalopirdine (Lu AE58054) shows no agonist activity in 5-HT(6) GTPgammaS efficacy assay.
Idalopirdine (Lu AE58054) demonstrates >50-fold selectivity for >70 targets.
Idalopirdine (Lu AE58054) potently inhibits striatal in-vivo binding of the 5-HT(6) antagonist radioligand [(3)H]Lu AE60157 ([(3)H]8-(4-methylpiperazin-1-yl)-3-phenylsulfonylquinoline), with an ED(50) of 2.7 mg/kg.
Idalopirdine (Lu AE58054) exhibits good oral bioavailability and robust efficacy in a rat model of cognitive impairment in schizophrenia.

References

Arnt J, et al. Int J Neuropsychopharmacol. 2010 Sep;13(8):1021-33.

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

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