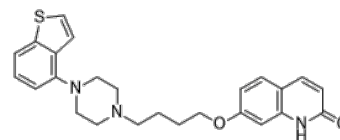


Product Name : Brexpiprazole
Cat. No. : PC-24453
CAS No. : 913611-97-9
Molecular Formula : C₂₅H₂₇N₃O₂S
Molecular Weight : 433.57
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

Brexpiprazole (OPC-34712) is an atypical orally active antipsychotic agent and partial agonist of human 5-HT_{1A} and dopamine D_{2L} receptor with K_i of 0.12 nM and 0.3 nM, respectively.

Brexpiprazole (OPC-34712) is also a 5-HT_{2A} receptor antagonist with K_i of 0.47 nM.

Brexpiprazole also shows potent antagonist activity at human noradrenergic α_{1B} (K_i=0.17 nM) and α_{2C} receptors (K_i=0.59 nM).

References

Ishima T, et al. Eur Neuropsychopharmacol. 2015 Apr;25(4):505-11.

Yoshimi N, et al. Eur Neuropsychopharmacol. 2015 Mar;25(3):356-64.

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

E-mail: tech@probechem.com