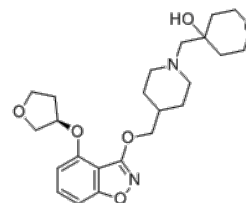


Product Name : PF-04995274
Cat. No. : PC-61831
CAS No. : 1331782-27-4
Molecular Formula : C₂₃H₃₂N₂O₆
Molecular Weight : 432.5214
Target : 5-HT Receptor
Solubility : DMSO: 100 mg/mL



Biological Activity

PF-04995274 (PF-4995274, TBPT) is a potent, selective, orally active and partial serotonin 4 receptor (**5-HT₄R**) agonist with K_i of 0.15-0.46 nM.

PF-04995274 exhibits an EC₅₀ range of 0.26-0.47 nM for human 5-HT_{4A}/4B/4D/4E and 0.59-0.65 nM for rat 5-HT_{4S}/4L/4E. PF-04995274 (3-10 mg/kg, i.v.) treatment results in prophylactic efficacy by attenuating learned fear and decreasing stress-induced depressive-like behavior in mice.

PF-04995274 is brain penetrant for investigation of cognitive disorders associated with Alzheimer's disease.

References

Sawant-Basak A, et al. *J Pharm Sci.* 2013 Sep;102(9):3277-93.

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

E-mail: tech@probechem.com