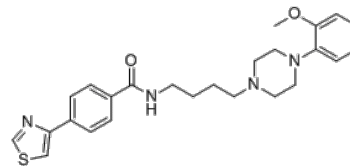


Product Name : OS-3-106
Cat. No. : PC-38469
CAS No. : 1580000-17-4
Molecular Formula : C₂₅H₃₀N₄O₂S
Molecular Weight : 450.60
Target : Dopamine Receptor
Solubility : 10 mM in DMSO



Biological Activity

OS-3-106 is a high-affinity, selective **dopamine D3 receptor** (D3R) partial agonist with K_i value of 0.2 nM, exhibits 115-fold binding selectivity for D3R compared with the D2R.

OS-3-106 is also a partial agonist at the D2R (47% of quinpirole).

OS-3-106 (10 mg/kg) reduced cocaine self-administration, also reduced responding for sucrose and locomotor activity.

OS-3-106 attenuated yawning induced by low doses of 7-OH-DPAT (a D3R-mediated behavior).

References

Timothy H C Cheung, et al. *J Pharmacol Exp Ther*. 2013 Nov;347(2):410-23.

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

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