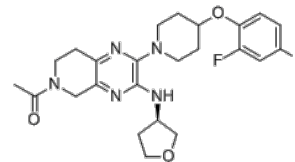


Product Name : CVN424
Cat. No. : PC-72762
CAS No. : 2254706-21-1
Molecular Formula : C₂₄H₂₉F₂N₅O₃
Molecular Weight : 473.525
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CVN424 (CVN 424) is a highly potent, selective, brain-penetrant, orally active **GPR6** inverse agonist with EC₅₀ of 38 nM. Oral administration of CVN424 dose-dependently increases locomotor activity and reverses haloperidol-induced catalepsy. CVN424 restored mobility in bilateral 6-hydroxydopamine lesion model of Parkinson disease. CVN424 is brain-penetrant and shows dose-dependent receptor occupancy that attained brain 50% of receptor occupancy at plasma concentrations of 6.0 and 7.4 ng/ml in mice and rats, respectively. CVN424 is effective in preclinical models and is a potential therapeutic for improving motor function in patients with Parkinson disease.

References

- Brice NL, et al. *J Pharmacol Exp Ther.* 2021 Jun;377(3):407-416.
M, Green J, et al. *J Med Chem.* 2021 Jul 22;64(14):9875-9890.
Margolin DH, et al. *J Pharmacol Exp Ther.* 2022 Feb 2:JPET-AR-2021-000842.

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

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