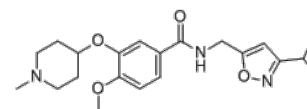


Product Name : ML352
Cat. No. : PC-62785
CAS No. : 1649450-12-3
Molecular Formula : C₂₁H₂₉N₃O₄
Molecular Weight : 387.47
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ML352 (VU0476201) is a potent, selective **choline transporter** (CHT) inhibitor with K_i of 92 nM.

ML352 (VU0476201) exhibits no inhibition on AChE, ChAT, and dopamine, serotonin, norepinephrine transporters.

ML352 (VU0476201) exhibits noncompetitive choline uptake inhibition in intact cells and synaptosomes, and reduces the apparent density of HC-3 binding sites in membrane assay.

ML352 (VU0476201) shows limited in vitro metabolism and significant CNS penetration.

References

Ennis EA, et al. *ACS Chem Neurosci*. 2015 Mar 18;6(3):417-27.

Bertron JL, et al. *Bioorg Med Chem Lett*. 2016 Oct 1;26(19):4637-40.

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

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