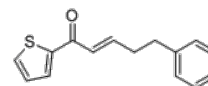


Product Name : CAY10786
Cat. No. : PC-72128
CAS No. : 1239987-91-7
Molecular Formula : C₁₅H₁₄OS
Molecular Weight : 242.336
Target : Other Targets
Solubility : 10 mM in DMSO (2.4 mg/mL)



Biological Activity

CAY10786 (GPR52 antagonist Comp-43) is a highly potent and specific **GPR52** antagonist with IC₅₀ of 0.63 μ M. Comp-43 showed no effects on the cAMP elevation or calcium response stimulated by other GPCRs (β 2AR, GCGR, GLP-1R, CCR5, α -1D adrenergic receptor, and dopamine D2 receptor (DRD2)). Comp-43 reduces mHTT levels by targeting GPR52 and promotes survival of mouse primary striatal neurons. Comp-43 not only reduces mHTT levels but also rescues Huntington's disease (HD)-related phenotypes in HdhQ140 mice.

References

Hidetoshi Komatsu. *J Med Chem*. 2021 Jan 28;64(2):938-940.
Congcong Wang, et al. *J Med Chem*. 2021 Jan 28;64(2):941-957.

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

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