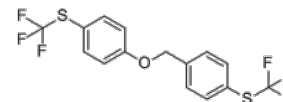


Product Name : MY10
Cat. No. : PC-35023
CAS No. : 2204270-73-3
Molecular Formula : C₁₅H₁₀F₆OS₂
Molecular Weight : 384.354
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

MY10 is a small-molecule inhibitor of **RPTPβ/ζ (PTPRZ1)** with IC₅₀ of 0.1 uM, significantly increases the phosphorylation of key tyrosine residues of RPTPβ/ζ substrates involved in neuronal survival and differentiation.

MY10 blocks ethanol conditioned place preference, shows limited effects on ethanol-induced ataxia, and potentiates the sedative effects of ethanol in mice.

MY10 increases levels of phosphorylated ALK and TrkA in neuroblastoma cells, modulates signaling pathways activated by alcohol.

References

Fernández-Calle R, et al. *Neuropharmacology*. 2018 May 9;137:86-95.

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

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