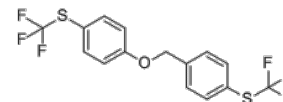


**Product Name** : MY10  
**Cat. No.** : PC-35023  
**CAS No.** : 2204270-73-3  
**Molecular Formula** : C<sub>15</sub>H<sub>10</sub>F<sub>6</sub>OS<sub>2</sub>  
**Molecular Weight** : 384.354  
**Target** : Protein Phosphatase/PTP  
**Solubility** : 10 mM in DMSO



## Biological Activity

MY10 is a small-molecule inhibitor of **RPTPβ/ζ (PTPRZ1)** with IC<sub>50</sub> of 0.1 μM, 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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