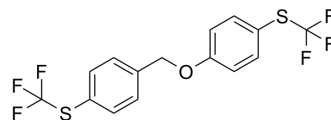


## MY10

Cat. No.:	HY-123856		
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:	384.36		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 50 mg/mL (130.09 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6017 mL	13.0086 mL	26.0173 mL
	5 mM	0.5203 mL	2.6017 mL	5.2035 mL
	10 mM	0.2602 mL	1.3009 mL	2.6017 mL

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

MY10 is a potent and orally active receptor protein tyrosine phosphatase (RPTP $\beta/\zeta$ ) inhibitor. MY10 attenuates binge-like ethanol consumption and ethanol reward<sup>[1]</sup>.

### IC<sub>50</sub> & Target

receptor protein tyrosine phosphatase (RPTP $\beta/\zeta$ )<sup>[1]</sup>

## REFERENCES

[1]. Fernández-Calle R, et, al. Pharmacological inhibition of Receptor Protein Tyrosine Phosphatase  $\beta/\zeta$  (PTPRZ1) modulates behavioral responses to ethanol. *Neuropharmacology*. 2018 Jul 15;137:86-95.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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