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## Product Data Sheet

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Product Name: MY33-3  
Cat. No.: GC69515

### Chemical Properties

Cas. No. 2204280-41-9

Formula  $C_{16}H_{13}F_6NS_2$  M.Wt 397.4

Solubility Storage 4°C, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

### Background

IC50: 0.1  $\mu$ M (RPTP $\beta/\zeta$ ), 0.7  $\mu$ M (PTP-1B)<sup>[1]</sup>

MY33-3 is a potent and selective inhibitor of **receptor protein tyrosine Reduced ethanol consumption when comparing day 2 with day 3. Showed a reduced preference for the ethanol solution. Not affected total fluid consumption.**

**[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.**

**[2]. Fernández-Calle R, et, al. Role of RPTP $\beta/\zeta$  in neuroinflammation and microglia-neuron communication. Sci Rep. 2020 Nov 20;10(1):20259.**

**[3]. Mao S, et, al. Pleiotrophin Potentiates Sevoflurane Anesthesia-induced Learning Deficits in Mice. J Mol Neurosci. 2022 Jan;72(1):48-55.**

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

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