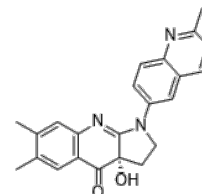


Product Name : MT-110
Cat. No. : PC-24900
CAS No. : 2404652-82-8
Molecular Formula : C₂₃H₂₁N₃O₂
Molecular Weight : 371.44
Target : Myosin
Solubility : 10 mM in DMSO



CAS: 2404652-82-8

Biological Activity

MT-110 is a potent, selective, brain penetrant **non-muscle myosin II (NMII)** inhibitor with EC₅₀ of 0.68 μM in cytokinesis assays, >70-fold selectivity over cardiac muscle myosin II (CMII).

MT-110 exhibits efficacy in preclinical models of methamphetamine use disorder (MUD).

MT-110 is capable of producing persistent disruption of methamphetamine (METH) motivation at doses as low as 0.5 mg/kg.

References

Radnai L, et al. *Cell*. 2025 Jun 27:S0092-8674(25)00640-3.

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

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