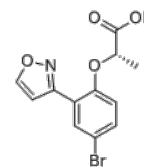


Product Name : NMD670
Cat. No. : PC-22007
CAS No. : 2354321-33-6
Molecular Formula : C₁₂H₁₀BrNO₄
Molecular Weight : 312.12
Target : Chloride Channel
Solubility : 10 mM in DMSO



CAS: 2354321-33-6

Biological Activity

NMD670 (NMD-670) is a potent, specific and orally bioavailable **CIC-1 chloride channel** inhibitor with EC₅₀ of 1.6 μM, restores muscle function in rat models of myasthenia gravis (MG).

NMD670 shows no effect on Gm in a Cl⁻ free experimental solution.

NMD670 (20 mg/kg) enhances neuromuscular transmission and restores muscle function in experimental autoimmune myasthenia gravis (MG) rats.

NMD670 (20 mg/kg) restores muscle force and motor performance in rat models of MG.

NMD670 improves running performance in a passive immunization MG rat model.

References

Martin Skov, et al. *Sci Transl Med*. 2024 Mar 20;16(739):eadk9109.

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

E-mail: tech@probechem.com