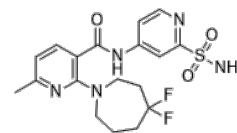


Product Name : MSD199
Cat. No. : PC-23138
CAS No. : 2417327-54-7
Molecular Formula : C₁₈H₂₁F₂N₅O₃S
Molecular Weight : 425.45
Target : Sodium Channel
Solubility : 10 mM in DMSO



CAS: 2417327-54-7

Biological Activity

MSD199 is a potent, and selective **Nav1.8** inhibitor with IC₅₀ of 4.7 nM in Qube automated patch-clamp assay, >2000-fold selective over all other Nav isoforms.

MSD199 (1, 3, and 10 mg/kg) dose-dependently reduced capsaicin-sensitized thermode (CST) response count.

MSD199 (1.3 mg/kg IV) dose-dependently prevented capsaicin flare propagation in vivo.

MSD199 (1.3 mg/kg) significantly reduced flare size at 1400 mA diode laser stimulation.

References

Vardigan JD, et al. *Pain*. 2024 Oct 8. doi: 10.1097/j.pain.0000000000003404.

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

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