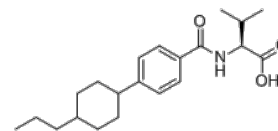


Product Name : GNE-0439
Cat. No. : PC-62325
CAS No. : 1241902-40-8
Molecular Formula : C₂₁H₃₁NO₃
Molecular Weight : 345.483
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

GNE-0439 is a novel potent, selective inhibitor of **Nav1.7 channel** with IC₅₀ of 0.34 uM, shows high selectivity over Nav1.5 (IC₅₀=38.3 uM).

GNE-0439 also inhibits mutant N1742K channels with IC₅₀ of 0.37 uM in membrane potential assays, but not mutation of R1608A (IC₅₀>50 uM).

GNE-0439 is unique compared with known selective VSD4 binders such as the arylsulfonamides (GX-936 and PF-05089771).

References

Chernov-Rogan T, et al. *Proc Natl Acad Sci U S A*. 2018 Jan 23;115(4):E792-E801.

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

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