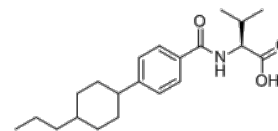


**Product Name** : GNE-0439  
**Cat. No.** : PC-62325  
**CAS No.** : 1241902-40-8  
**Molecular Formula** : C<sub>21</sub>H<sub>31</sub>NO<sub>3</sub>  
**Molecular Weight** : 345.483  
**Target** : Sodium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

GNE-0439 is a novel potent, selective inhibitor of **Nav1.7 channel** with IC<sub>50</sub> of 0.34 μM, shows high selectivity over Nav1.5 (IC<sub>50</sub>=38.3 μM).

GNE-0439 also inhibits mutant N1742K channels with IC<sub>50</sub> of 0.37 μM in membrane potential assays, but not mutation of R1608A (IC<sub>50</sub>>50 μM).

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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