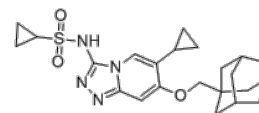


**Product Name** : GNE-131  
**Cat. No.** : PC-35103  
**CAS No.** : 1629063-81-5  
**Molecular Formula** : C<sub>23</sub>H<sub>30</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 442.578  
**Target** : Sodium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

GNE-131 is a potent, selective inhibitor of sodium channel **NaV1.7** with IC<sub>50</sub> of 3 nM, >80-fold selectivity over the cardiac sodium channel NaV1.5.

GNE-131 demonstrates effects on mouse NaV1.7 using the Qube automated electrophysiology platform with IC<sub>50</sub> of 7 nM. GNE-131 shows significant reduction of nociceptive behavior on aconitine-induced pain in transgenic IEM mice, with up to 85% reduction at the 30 mg/kg dose and a plasma concentration of 2.8 uM.

## References

Focken T, et al. *J Med Chem*. 2018 May 23. doi: 10.1021/acs.jmedchem.7b01826.

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

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