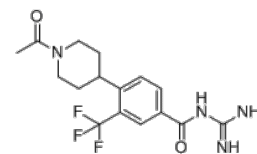


**Product Name** : BI-9627  
**Cat. No.** : PC-35034  
**CAS No.** : 1204329-34-9  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 356.349  
**Target** : Sodium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

BI-9627 is a potent, selective inhibitor of sodium-hydrogen exchanger isoform 1 (**NHE1**) with pHi change IC<sub>50</sub> of 6 nM, displays >30-fold selectivity against NHE2 and with no measurable inhibitory activity against the NHE3 isoform.

BI-9627 also shows high potency in the platelet swelling assay with IC<sub>50</sub> of 31 nM.

BI-9627 demonstrates IC<sub>50</sub> >30 μM across all CYP isoforms tested; exhibits profound efficacy, prevents or attenuates ischemia-reperfusion injury in the Langendorff isolated perfused rat heart model.

## References

Huber JD, et al. *J Med Chem*. 2012 Aug 23;55(16):7114-40.

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

E-mail: tech@probechem.com