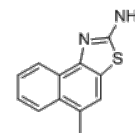


**Product Name** : SKA-111  
**Cat. No.** : PC-60781  
**CAS No.** : 1369170-24-0  
**Molecular Formula** : C<sub>12</sub>H<sub>10</sub>N<sub>2</sub>S  
**Molecular Weight** : 214.286  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

SKA-111 is a potent, selective intermediate-conductance **KCa3.1** positive-gating modulator with EC<sub>50</sub> of 111 nM.

SKA-111 displays 123-fold selectivity over KCa2.3 (EC<sub>50</sub>=13.7 μM), and 200- to 400-fold selective over representative KV, NaV, as well as CaV1.2 channels.

SKA-111 not only lowers blood pressure but also drastically reduces heart rate, presumably through cardiac and neuronal KCa2 activation in mice.

## References

Coleman N, et al. *Mol Pharmacol*. 2014 Sep;86(3):342-57.

Oliván-Viguera A, et al. *Basic Clin Pharmacol Toxicol*. 2016 Aug;119(2):184-92.

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

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