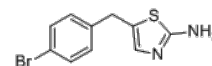


**Product Name** : NS19504  
**Cat. No.** : PC-60653  
**CAS No.** : 327062-46-4  
**Molecular Formula** : C<sub>10</sub>H<sub>9</sub>BrN<sub>2</sub>S  
**Molecular Weight** : 269.16  
**Target** : Potassium Channel  
**Solubility** : 100 mM in DMSO



## Biological Activity

NS19504 is a selective, small molecule large-conductance Ca(2+)-activated K(+) channel (**BKCa**, KCa1.1, MaxiK) positive modulator with EC50 of 11  $\mu$ M.

NS19504 shows a favorable selectivity profile on Nav, Cav, SK, and IK channels.

NS19504 causes distinct activation from a concentration of 0.3 and 10  $\mu$ M NS19504 left-shifted the voltage activation curve by 60 mV.

NS19504 reduces spontaneous phasic contractions in guinea pig urinary bladder strips at 1  $\mu$ M, while having only a modest effect on contractions evoked by electrical field stimulation (EFS) and no effect on high K<sup>+</sup>-induced contractions.

## References

Nausch B, et al. *J Pharmacol Exp Ther.* 2014 Sep;350(3):520-30.

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

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