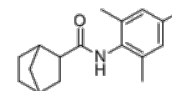


**Product Name** : ML-213  
**Cat. No.** : PC-60228  
**CAS No.** : 489402-47-3  
**Molecular Formula** : C<sub>17</sub>H<sub>23</sub>NO  
**Molecular Weight** : 257.37  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

ML213 is a novel potent, selective **KCNQ2 (Kv7.2)** and **KCNQ4 (Kv7.4)** activator with EC<sub>50</sub> of 230 and 510 nM, respectively.

ML213 displays >80-fold selectivity over other related potassium channels (KCNQ1/3/5).

ML213 causes significant hyperpolarization in mesenteric artery smooth muscle cells, shows potent vasorelaxant effects in different blood vessels.

## References

Yu H, et al. *ACS Chem Neurosci*. 2011 Oct 19;2(10):572-577.

Jepps TA, et al. *Br J Pharmacol*. 2014 Oct;171(19):4413-24.

Brueggemann LI, et al. *Mol Pharmacol*. 2014 Sep;86(3):330-41.

Provence A, et al. *J Pharmacol Exp Ther*. 2017 Oct 30. pii: jpet.117.243162.

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

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