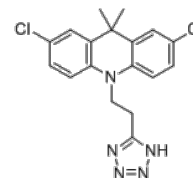


**Product Name** : ML67-33  
**Cat. No.** : PC-60191  
**CAS No.** : 1443290-89-8  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>5</sub>  
**Molecular Weight** : 374.27  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

ML67-33 is a low micromolar (EC<sub>50</sub>=9.7 uM, K<sub>2</sub>P2.1), selective activator of temperature- and mechano-sensitive **K<sub>2</sub>P potassium channels**.

ML67-33 shows little or no activity against K<sub>2</sub>P5.1, K<sub>2</sub>P3.1, K<sub>2</sub>P9.1, K<sub>2</sub>P18.1 and Kv7.2 (>100 uM).

ML67-33 reversibly increases channel currents by activating the extracellular selectivity filter-based C-type gate that forms the core gating apparatus on which a variety of diverse modulatory inputs converge.

ML67-33 also is a potent activator of LyPAP and **TMEM175**-mediated H<sup>+</sup> and K<sup>+</sup> currents

## References

Bagriantsev SN, et al. *ACS Chem Biol*. 2013 Aug 16;8(8):1841-51.

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

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