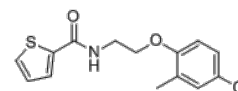


**Product Name** : ML402  
**Cat. No.** : PC-60336  
**CAS No.** : 298684-44-3  
**Molecular Formula** : C<sub>14</sub>H<sub>14</sub>ClNO<sub>2</sub>S  
**Molecular Weight** : 295.781  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



### Biological Activity

ML402 is a potent, selective K2P2.1 (**TREK-1**) and K2P10.1 (**TREK-2**) channels activator with EC<sub>50</sub> of 13.7 and 5.9  $\mu$ M, respectively.

ML402 displays no significant activity for K2P4.1 (at 50  $\mu$ M); shows insensitivity to mutant K2P2.1(K271Q), and has similar EC<sub>50</sub> for K2P4.1(Q258K) (EC<sub>50</sub>=13.6  $\mu$ M).

### References

Lolicato M, et al. *Nature*. 2017 Jul 20;547(7663):364-368.

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

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