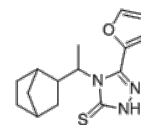


**Product Name** : ML308  
**Cat. No.** : PC-20702  
**CAS No.** : 1212238-62-4  
**Molecular Formula** : C<sub>15</sub>H<sub>19</sub>N<sub>3</sub>OS  
**Molecular Weight** : 289.40  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



CAS: 1212238-62-4

## Biological Activity

ML308 (ML 308) is a potent, selective inhibitor of two-pore domain potassium channel KCNK9 (TASK-3, K2P9.1) with IC<sub>50</sub> of 130 nM in thallium influx fluorescent assays and 413 nM in automated electrophysiology assays, respectively. ML308 displays >50-fold selectivity over the closely-related, two-pore domain potassium channel, KCNK3, in fluorescent assays and displays little or no activity at 10 μM for Kir2.1, KCNQ2, and human ether-a-go-go-related gene (HERG). ML308 is a useful pharmacological probe for in vitro studies of KCNK9 function.

## References

Miller MR, et al. National Center for Biotechnology Information (US); 2010–.

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

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