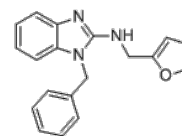


**Product Name** : AC1903  
**Cat. No.** : PC-60025  
**CAS No.** : 831234-13-0  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O  
**Molecular Weight** : 303.365  
**Target** : TRP Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

AC1903 is a potent, specific **TRPC5** channel inhibitor with IC<sub>50</sub> of 14.7  $\mu$ M; blocks riluzole-activated TRPC5 whole-cell current, but fails to block carbachol (CCh)-induced TRPC4 and OAG-induced TRPC6 currents, even at high micromolar concentrations; specifically blocks TRPC5 channel activity in glomeruli of proteinuric rats, suppresses severe proteinuria and prevents podocyte loss in a transgenic rat model of FSGS.

## References

Zhou Y, et al. Science. 2017 Dec 8;358(6368):1332-1336.

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

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