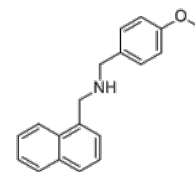


Product Name : ML133
Cat. No. : PC-62358
CAS No. : 185669-79-8
Molecular Formula : C₁₉H₁₉NO
Molecular Weight : 277.367
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

ML133 (CID781301) is a potent, selective **K(ir)2.1** potassium channel inhibitor with IC₅₀ of 1.8 μM at pH 7.4 and 290 nM at pH 8.5, respectively.

ML133 exhibits little selectivity against other members of Kir2.x family channels, but displays excellent selectivity over K(ir)1.1, K(ir)4.1 and K(ir)7.1.

ML133 dramatically reduces Ca²⁺ influx through Ca²⁺-release-activated Ca²⁺ (CRAC) channels.

References

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Wu M, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

Ford NC, et al. *Neuroscience*. 2016 Dec 17;339:502-510.

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

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