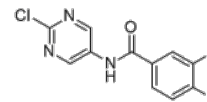


Product Name : ICA-069673
Cat. No. : PC-60823
CAS No. : 582323-16-8
Molecular Formula : C₁₁H₆ClF₂N₃O
Molecular Weight : 269.636
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

ICA-069673 (ICA069673) is a novel potent, selective and orally active **KCNQ2/Q3 (Kv7.2/Kv7.3)** potassium channel opener/activator with EC₅₀ of 0.69 μM, 20-fold selectivity over KCNQ3/Q5.

ICA-069673 displays no measurable activity against a panel of cardiac ion channels (IC₅₀>30 μM for hERG, Nav1.5, L type channels, and KCNQ1) as well as no activity on GABA(A) gated channels.

ICA-069673 also robustly activates Kv7.4 channels, inhibits spontaneous phasic, pharmacologically induced, and nerve-evoked contractions in DSM isolated strips, decreases the global intracellular Ca²⁺ concentration in DSM cells.

References

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Provence A, et al. *J Pharmacol Exp Ther.* 2015 Sep;354(3):290-301.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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