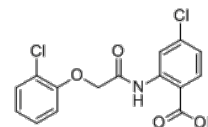


Product Name : TRPM4 inhibitor 5
Cat. No. : PC-35234
CAS No. : 351424-20-9
Molecular Formula : C₁₅H₁₁Cl₂NO₄
Molecular Weight : 340.156
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

TRPM4 inhibitor 5 (TMEM206 inhibitor CBA) is a potent and selective inhibitor of **TRPM4** with IC₅₀ of 1.5 μM (Na⁺ influx), also inhibits **TMEM206** with IC₅₀ of 9.55 μM.

TRPM4 inhibitor 5 (TMEM206 inhibitor CBA) selectively inhibits TRPM4 overexpressed in HEK293 cells (IC₅₀=1.8 μM) using classical patch-clamp electrophysiology recordings, shows no significant effect on the TRPM5 current, as well as other TRP family members including TRPM7, TRPM8, TRPV1 and TRPV6.

TRPM4 inhibitor 5 (TMEM206 inhibitor CBA) demonstrates effective and specific inhibition of TMEM206.

References

- Ozhathil LC, et al. *Br J Pharmacol.* 2018 Jun;175(12):2504-2519.
- Sven Kappel, et al. *Front Pharmacol.* 2024 Mar 7:15:1369513.

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

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