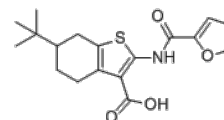


Product Name : CaCCinh-A01
Cat. No. : PC-20363
CAS No. : 407587-33-1
Molecular Formula : C₁₈H₂₁NO₄S
Molecular Weight : 347.43
Target : Chloride Channel
Solubility : 10 mM in DMSO



Biological Activity

CaCCinh-A01 is a small molecule Ca(2+)-activated Cl(-) channel (CaCC) inhibitor, inhibits both I(sc) and transepithelial conductance in a concentration-dependent manner (IC₅₀=6.3 uM).

CaCCinh-A01 (30 μM) significantly reduced electrogenic K(+) secretion, detected as short-circuit current (I(sc)).

CaCCinh-A01 also inhibits TMEM16A channels (IC₅₀=2.1μM, in TMEM16A-expressing FRT cells).

References

He Q, et al. Exp Physiol. 2011 Mar;96(3):305-16.

Ko EA, et al. Gut. 2014 Jul;63(7):1120-9.

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

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