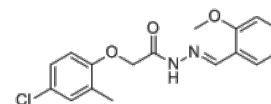


Product Name : Ani9
Cat. No. : PC-20364
CAS No. : 356102-14-2
Molecular Formula : C₁₇H₁₇ClN₂O₃
Molecular Weight : 332.78
Target : Chloride Channel
Solubility : 10 mM in DMSO



Biological Activity

Ani9 is a potent, selective anoctamin1 (ANO1, **TMEM16A**) channel inhibitor with IC₅₀ of 107 nM, with negligible effect on ANO2 (IC₅₀>10 μM).

Ani9 is >18 times lower than that of T16Ainh-A01 (Cat. PC-35990) and MONNA (Cat. PC-38479).

Ani9 fully inhibited ATP-induced ANO1 activation in a dose-dependent manner with IC₅₀ of 77 nM.

Ani9 did not affect the intracellular calcium signaling and CFTR chloride channel activity.

References

Seo Y, et al. *PLoS One*. 2016 May 24;11(5):e0155771.

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

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