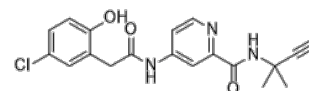


Product Name : PAM_16A
Cat. No. : PC-23881
CAS No. : 2367645-32-5
Molecular Formula : C₁₉H₁₈ClN₃O₃
Molecular Weight : 371.82
Target : Chloride Channel
Solubility : 10 mM in DMSO



CAS: 2367645-32-5

Biological Activity

PAM_16A is a potent, selective, positive allosteric modulator of **TMEM16A** (Anoctamin-1, **ANO1**) with EC₅₀ of 3.6 nM, activates heterologous TMEM16A channels, has no effect on the closely related TMEM16B channel.

PAM_16A is a potent activator that does not interfere with other measurable whole-cell currents in arterial smooth muscle cells (SMCs).

PAM_16A selectively activated TMEM16A currents in SMCs and enhanced aortic contraction caused by phenylephrine or angiotensin-II and capillary (pericyte) constriction evoked by endothelin-1 or oxygen–glucose deprivation (OGD) to simulate cerebral ischaemia.

References

Patent WO2021/014168, compound 1.

Al-Hosni R, et al. *Br J Pharmacol*. 2025 Jan 19. doi: 10.1111/bph.17383.

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

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