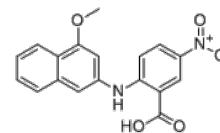


Product Name : MONNA
Cat. No. : PC-38479
CAS No. : 1572936-83-4
Molecular Formula : C₁₈H₁₄N₂O₅
Molecular Weight : 338.319
Target : Chloride Channel
Solubility : 10 mM in DMSO



Biological Activity

MONNA a potent, selective inhibitor of the **TMEM16A** calcium-activated chloride channel (Anoctamin-1, ANO1) with IC₅₀ of 80 nM (xANO1).

MONNA displays >100-fold selectivity for TMEM16A over bestrophin-1, CLC2 and CFTR.

MONNA concentration-dependently relax rodent resistance arteries.

MONNA attenuated 5-HT/U46619-induced contractions, also increased coronary flow in Langendorff perfused rat heart preparations, in rat coronary arteries.

References

- Boedtker DM, et al. *Br J Pharmacol*. 2015 Aug;172(16):4158-72.
- Ru F, et al. *J Physiol*. 2017 Jun 1;595(11):3651-3666.
- Askew Page HR, et al. *Br J Pharmacol*. 2019 Jun;176(11):1635-1648.
- Soo-Jin Oh, et al. *Mol Pharmacol*. 2013 Nov;84(5):726-35.

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

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