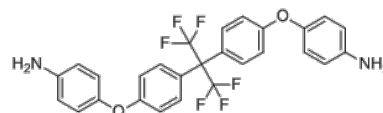


Product Name : GI-530159
Cat. No. : PC-62092
CAS No. : 69563-88-8
Molecular Formula : C₂₇H₂₀F₆N₂O₂
Molecular Weight : 518.459
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

GI-530159 (ICA-069771) is a novel potent, selective, mechano-sensitive K₂P channel (**TERK**) opener with EC₅₀ of 1 μM for TERK1.

GI-530159 shows no activator effects on other potassium channels TASK2, KCNQ1, KCNQ2, KCNQ3 using Rb⁺ efflux assays or against NaV1.2, NaV1.7 and NaV1.8 (EC₅₀>100 μM).

GI-530159 enhances TREK2 channels at 1 μM about 42 ± 6 %, but without effect on TRAAK and TASK3 channels.

GI-530159 shows a significant reduction in firing frequency and a small hyperpolarization of resting membrane potential in cultured rat DRG neurones.

References

Loucif AJC, et al. *Br J Pharmacol.* 2017 Nov 18. doi: 10.1111/bph.14098.

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

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