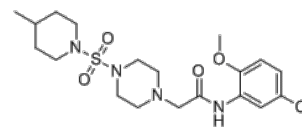


Product Name : VU0606170
Cat. No. : PC-73240
CAS No. : 879054-55-4
Molecular Formula : C₁₉H₂₉ClN₄O₄S
Molecular Weight : 444.975
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

VU 0606170 is a selective sodium-activated potassium channel **KNa1.1** (Slack, Slo2.2) inhibitor with EC₅₀ of 1.84 and 1.16 μM for WT Slack and A934T Slack, respectively.

VU0606170 did not modulate HEK293 channels expressing Slick, Slo1 α1/β1, Slo1 α1/β2, Slo1 α1/β3, Slo1 α1/β4, or Slo3 channels. also potently inhibits G288S and R428Q Slack channels.

VU0606170 also proved effective at significantly decreasing the firing rate in overexcited, spontaneously firing cortical neuron cultures.

References

Brittany D Spitznagel, et al. *ACS Chem Neurosci*. 2020 Nov 4;11(21):3658-3671.

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

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