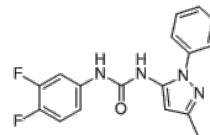


Product Name : ML297
Cat. No. : PC-70331
CAS No. : 1443246-62-5
Molecular Formula : C₁₇H₁₄F₂N₄O
Molecular Weight : 328.32
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

ML297 (VU 0456810) is a potent, selective, CNS-penetrant small molecule agonist of **GIRK1/2** channel with EC₅₀ of 160 nM. ML297 shows a preference for the GIRK1/GIRK2 subunit combination compared to GIRK1/GIRK4 and is inactive on GIRK2/GIRK3 and a number of other potassium channels.

ML297 selectively activates recombinant neuronal GIRK channels containing the GIRK1 subunit in a manner that requires PIP₂.

ML297 decreases anxiety-related behavior without sedative or addictive liabilities in mice.

References

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Kaufmann K, et al. *ACS Chem Neurosci*. 2013 Sep 18;4(9):1278-86.

Psichas A, et al. *Br J Pharmacol*. 2016 Mar;173(5):888-98.

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

E-mail: tech@probechem.com