

Data Sheet

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 Product Name
 :
 ML418

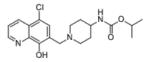
 Cat. No.
 :
 PC-60576

 CAS No.
 :
 1928763-08-9

 Molecular Formula
 :
 C₁₉H₂₄CIN₃O₃

 Molecular Weight
 :
 377.87

Target : Potassium Channel Solubility : 10 mM in DMSO



Biological Activity

ML418 (ML-418) is the first potent, selective, CNS penetrating inward rectifier potassium channel **Kir7.1 (KCNJ13)** inhibitor with IC50 of 0.31 uM.

ML418 displays >17-fold selective over Kir1.1, Kir2.1, Kir2.2, Kir2.3, Kir3.1/3.2, and Kir4.1 except for Kir6.2/SUR1 (equally potent).

ML418 possesses a DMPK profile suitable for both in vitro and in vivo studies aimed at modulating both peripheral and central Kir7.1 potassium channels.

References

Swale DR, et al. *ACS Chem Neurosci.* 2016 Jul 20;7(7):1013-23.

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

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