

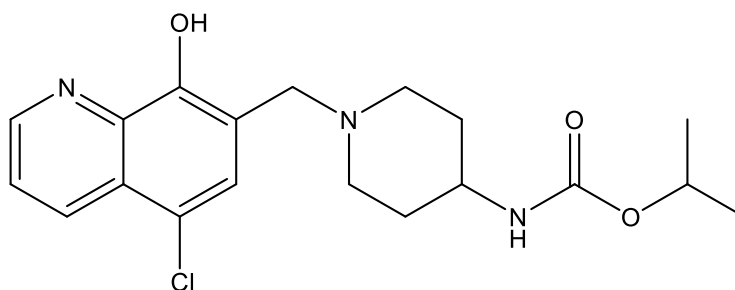
Catalog # 10-4652

ML418

CAS# 1928763-08-9

Isopropyl (1-((5-chloro-8-hydroxyquinolin-7-yl)methyl)piperidin-4-yl)carbamate

Lot # FBS3081



ML418 is a blocker of the inward rectifier potassium channels Kir7.1 ($IC_{50} = 310nM$) and Kir6.2 (equipotent) with metabolic and pharmacokinetic parameters suitable for *in vivo* research.¹ Greater than 23-fold selectivity over Kir1.1, Kir2.1, Kir2.2, Kir2.3, Kir4.1.

- 1) Swale *et al.* (2016), *ML418: The First Selective, Sub-Micromolar Pore Blocker of Kir7.1 Potassium Channels*; ACS Chem. Neurosci. **7** 1013

PHYSICAL DATA

Molecular Weight: 377.87
 Molecular Formula: $C_{19}H_{24}ClN_3O_3$
 Purity: >98% by HPLC
 NMR: (Conforms)
 Solubility: DMSO (8 mg/ml with warming)
 Physical Description: White solid
 Storage and Stability: Store as supplied at $-20^{\circ}C$ for up to 1 year from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}C$ for up to 3 months.

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