

ML418, Kir7.1/6.2 blocker

| Catalog | Unit |
|--------------|-------|
| TBI4652-5MG | 5 mg |
| TBI4652-25MG | 25 mg |

Product Details

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

Molecular Formula: C₁₉H₂₄ClN₃O₃

Formula Weight: 377.9

CAS Number: 1928763-08-9

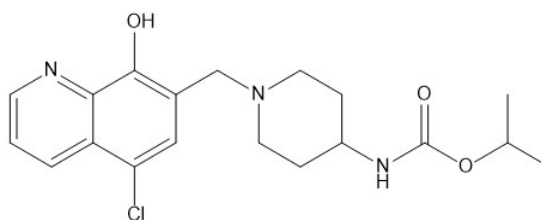
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 8 mg/ml, with warming)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Kir7.1/6.2 blocker

Functions

ML418 is a blocker of the inward rectifier potassium channels Kir7.1 (IC₅₀ = 310nM) and Kir6.2 (equipotent) with metabolic and pharmacokinetic parameters suitable for in vivo research. Greater than 23-fold selectivity over Kir1.1, Kir2.1, Kir2.2, Kir2.3, Kir4.1.

Application Procedures

First dissolved in DMSO (8 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.