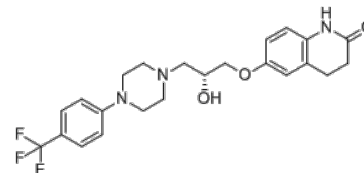


Product Name : NP10679
Cat. No. : PC-72104
CAS No. : 2914889-88-4
Molecular Formula : C₂₃H₂₆F₃N₃O₃
Molecular Weight : 449.474
Target : iGluR
Solubility : 10 mM in DMSO (4.5 mg/mL)



Biological Activity

NP10679 (NP 10679) is a potent, orally active, **NMDA receptor subunit 2B (GluN2B)**-selective inhibitor of NMDA receptor with IC₅₀ of 23 nM, with no significant effect on GluN2A/C/D (IC₅₀>100 μM).

NP10679 demonstrates high pH sensitivity, NP10679 exhibits both a potent IC₅₀ at pH 6.9 of 23 nM with a ratio of IC₅₀ at pH 7.6 to that at pH 6.9 (referred to as pH Boost) of 6.2 fold.

NP10679 reduced infarct volume in a dose-dependent manner with an ED₅₀ of 1 mg/kg IP dose and a maximum infarct volume reduction of 52% in MCAo experiments.

NP10679 perturbed motor coordination or function in mice.

References

Scott J Myers, et al. *J Pharmacol Exp Ther.* 2021 Oct;379(1):41-52.

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

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