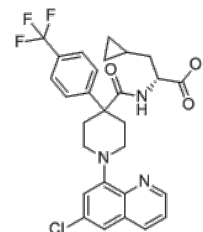


Product Name : BIO922
Cat. No. : PC-35656
CAS No. : 2733445-49-1
Molecular Formula : C₂₈H₂₇ClF₃N₃O₃
Molecular Weight : 545.987
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

BIO922 (BIO 922, BIO-922) is a small molecule **PICK1** inhibitor that specifically blocks the PDZ domain-mediated interaction between GluA2 and PICK1 (IC₅₀=69 nM), blocks the effects of A β on synaptic transmission and surface receptors. BIO922 shows >100-fold selectivity over other related PDZ domain-containing proteins, namely PSD-95 and GRIP. BIO922 stabilizes surface GluA2 and attenuates A β -mediated increase in intracellular calcium concentration in cultured hippocampal neurons.

References

Lin EYS, et al. *Sci Rep.* 2018 Sep 7;8(1):13438.

Alfonso S, et al. *Eur J Neurosci.* 2014 Apr;39(7):1225-33.

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

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