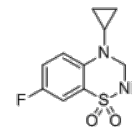


Product Name : BPAM344
Cat. No. : PC-20090
CAS No. : 1204572-55-3
Molecular Formula : C₁₀H₁₁FN₂O₂S
Molecular Weight : 242.27
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

BPAM344 (BPAM-344) is a positive allosteric modulator of GluK2 kainate receptor, potentiates glutamate-evoked currents of GluK2a 21-fold at 200 uM (EC₅₀=79 uM).

BPAM344 (100 μM) also potentiated the peak current amplitude of KAR subunits GluK3a (59-fold), GluK2a (15-fold), GluK1b (5-fold), as well as the AMPA receptor subunit GluA1i (5-fold).

BPAM344 stabilizes GluK2 in the closed state in the absence of an agonist or in the presence of DNQX.

References

Etsè KS, et al. ACS Chem Neurosci. 2021 Jul 21;12(14):2679-2692.

Larsen AP, et al. Mol Pharmacol. 2017 Jun;91(6):576-585.

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

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