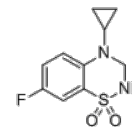


**Product Name** : BPAM344  
**Cat. No.** : PC-20090  
**CAS No.** : 1204572-55-3  
**Molecular Formula** : C<sub>10</sub>H<sub>11</sub>FN<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 242.27  
**Target** : iGluR  
**Solubility** : 10 mM in DMSO



### 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 (EC<sub>50</sub>=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!**

E-mail: tech@probechem.com