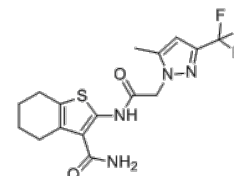


Product Name : HBT1
Cat. No. : PC-62087
CAS No. : 489408-02-8
Molecular Formula : C₁₆H₁₇F₃N₄O₂S
Molecular Weight : 386.393
Target : iGluR
Solubility : 10 mM in DMSO



Biological Activity

HBT1 is a novel potent **AMPA receptor** potentiator with lower agonistic effect compared with LY451395 and OXP1. HBT1 bonds with S518 in the ligand-binding domain (LBD) of AMPA-R in a glutamate-dependent manner. HBT1 did not show remarkable bell-shaped response in brain-derived neurotrophic factor (BDNF) production in primary neurons.

References

Kunugi A, et al. *J Pharmacol Exp Ther*. 2018 Jan 3. pii: jpet.117.245050.

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

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