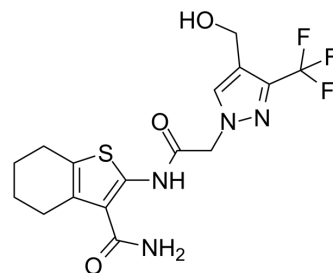


JAMI1001A

Cat. No.:	HY-124906
CAS No.:	1001019-46-0
Molecular Formula:	C ₁₆ H ₁₇ F ₃ N ₄ O ₃ S
Molecular Weight:	402.39
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JAMI1001A is a positive allosteric modulator of AMPA receptor. JAMI1001A efficaciously modulates AMPA receptor deactivation and desensitization of both flip and flop receptor isoforms ^[1] .
In Vitro	<p>JAMI1001A binds in the solvent accessible allosteric pocket that lies at the interface between AMPA receptor ligand-binding core dimers. JAMI1001A efficaciously blocks channel desensitization and slows deactivation of the flip and flop isoforms of AMPA receptor GluA2^[1].</p> <p>A simple kinetic model suggests that JAMI1001A independently modulates both the protein rearrangements necessary for channel desensitization and its recovery from the desensitized state, and the protein rearrangements necessary for channel deactivation (closed-cleft stability or channel gating)^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Harms JE, et al. Functional analysis of a novel positive allosteric modulator of AMPA receptors derived from a structure-based drug design strategy. *Neuropharmacology*. 2013;64(1):45-52.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA