Product Data Sheet

**Product Name:** LY451395  
**CAS No.:** 375345-95-2  
**Cat. No.:** HY-10934  
**MWt:** 438.60  
**Formula:** C21H30N2O4S2  
**Purity:** >98%  
**Solubility:** DMSO

**Mechanisms:**
Pathways: Membrane Tranporter/Ion Channel; Target: AMPAR  
Pathways: Neuronal Signaling; Target: AMPAR

**Biological Activity:**
LY451395 (Mibampator) is a potent and highly selective potentiator of the AMPA receptors.  
**IC50 value:**  
**Target:** AMPA receptor potentiator  
**in vitro:** Incubation of LY451395 with Actinoplanes missouriensis NRRL B3342 generated several metabolites that were previously detected in the in vivo metabolism studies of the preclinical species [1]. LY404187 and LY451395 reverses the central effects of an acutely intoxicating dose of ethanol in the rat. LY451395 significantly and dose-dependently reversed ethanol-induced deficits in both motor coordination and disruptions in an operant task where animals were trained to press a lever for food reward [2]....

**References:**

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**Caution:** Not fully tested. For research purposes only

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