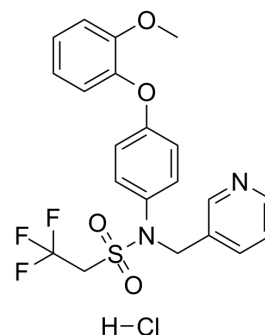


LY487379 hydrochloride

Cat. No.:	HY-103552
CAS No.:	353229-59-1
Molecular Formula:	C ₂₁ H ₂₀ ClF ₃ N ₂ O ₄ S
Molecular Weight:	488.91
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LY487379 hydrochloride is a selective human mGluR2 positive allosteric modulator (PAM). LY487379 hydrochloride potentiates glutamate-stimulated [³⁵ S]GTPγS binding with EC ₅₀ values of 1.7 μM and >10 μM for mGlu2 and mGlu3 receptors respectively. LY487379 hydrochloride promotes cognitive flexibility and facilitates behavioral inhibition in a rat model. LY487379 hydrochloride can be used for schizophrenia research ^[2] .
In Vivo	LY487379 hydrochloride (intraperitoneal injection; 30 mg/kg; injected 30 min before the test) requires significantly fewer trials to criterion during the ED phase of the ASST in attentional set-shifting task in male Sprague-Dawley rats. But there has no significant drug effect during any other discrimination stage ^[1] . LY487379 hydrochloride (intraperitoneal injection; 10-30 mg/kg) induces an increase in microdialysate norepinephrine levels; the dose-effect resembled a bell-shape relationship increased. And it dose-dependently increases extracellular serotonin levels in the medial prefrontal cortex in male Sprague-Dawley rats ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Agnieszka Nikiforuk, et al. Effects of a positive allosteric modulator of group II metabotropic glutamate receptors, LY487379, on cognitive flexibility and impulsive-like responding in rats. *J Pharmacol Exp Ther*. 2010 Dec;335(3):665-73.
- [2]. Hervé Schaffhauser, et al. Pharmacological characterization and identification of amino acids involved in the positive modulation of metabotropic glutamate receptor subtype 2. *Mol Pharmacol*. 2003 Oct;64(4):798-810.

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

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