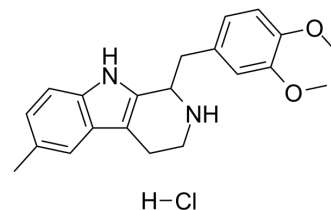


LY-272015 hydrochloride

Cat. No.:	HY-100851A
CAS No.:	172895-15-7
Molecular Formula:	C ₂₁ H ₂₅ ClN ₂ O ₂
Molecular Weight:	372.89
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (13.41 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.6818 mL	13.4088 mL	26.8176 mL	
5 mM	0.5364 mL	2.6818 mL	5.3635 mL	
10 mM	0.2682 mL	1.3409 mL	2.6818 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

LY-272015 hydrochloride is an orally active, specific 5-HT_{2B} receptor antagonist. LY-272015 hydrochloride completely inhibits the phosphorylation of ERK2 induced by 5-HT or BW723C86. LY-272015 hydrochloride is antihypertensive in Deoxycorticosterone Acetate (DOCA)-salt-hypertensive rats^{[1][2]}.

IC₅₀ & Target

5-HT_{2B} Receptor

REFERENCES

[1]. S W Watts, et al. 5-HT_{2B}-receptor antagonist LY-272015 is antihypertensive in DOCA-salt-hypertensive rats. *Am J Physiol.* 1999 Mar;276(3):H944-52.

[2]. Kota Naito, et al. Signal Transduction Mechanism for Serotonin 5-HT_{2B} Receptor-Mediated DNA Synthesis and Proliferation in Primary Cultures of Adult Rat Hepatocytes. *Biol Pharm Bull.* 2016;39(1):121-9.

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

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