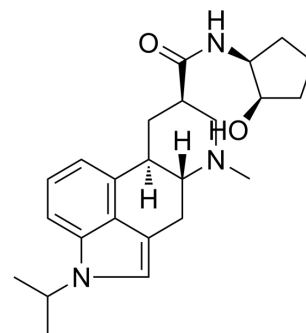


LY215840

Cat. No.:	HY-103148
CAS No.:	137328-52-0
Molecular Formula:	C ₂₄ H ₃₃ N ₃ O ₂
Molecular Weight:	395.54
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LY215840, a 5-HT ₇ receptor ligand and a 5-HT ₂ receptor antagonist, blocks serotonin-induced relaxation in canine coronary artery ^{[1][2]} .	
IC₅₀ & Target	5-HT ₂ Receptor	5-HT ₇ Receptor
In Vitro	<p>LY215840 (1 μM) markedly potentiated contraction to 5-carboxamidotryptamine, the most potent coronary relaxant agonist and the agonist with the highest 5-HT₇ receptor affinity^[1].</p> <p>LY215840 (3 x 10⁻¹⁰ to 10⁻⁸ M) blocks 5-HT₂ receptors mediating contraction to 5-HT in vitro^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>	

REFERENCES

[1]. D J Cushing, et al. LY215840, a high-affinity 5-HT₇ receptor ligand, blocks serotonin-induced relaxation in canine coronary artery. J Pharmacol Exp Ther. 1996 Jun;277(3):1560-6.

[2]. M L Cohen, et al. LY215840, a potent 5-hydroxytryptamine (5-HT)₂ receptor antagonist, blocks vascular and platelet 5-HT₂ receptors and delays occlusion in a rabbit model of thrombosis. J Pharmacol Exp Ther. 1992 Apr;261(1):202-8.

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