**Product Name:** LY310762  
**CAS No.:** 192927-92-7  
**Cat. No.:** HY-13527  
**MwT:** 430.94  
**Formula:** C24H28ClFN2O2  
**Purity:** >98%  
**Solubility:** DMSO 44 mg/ml

**Mechanisms:**  
Pathways: GPCR/G protein; Target: 5-HT Receptor  
Pathways: Neuronal Signaling; Target: 5-HT Receptor

**Biological Activity:**  
LY310762 is a 5-HT1D receptor antagonist with Ki of 249 nM, having a weaker affinity for 5-HT1B receptor. IC50 value: 249 nM (Ki) [1]  
Target: 5-HT1D  
in vitro: LY310762 has a higher affinity for the guinea pig 5-HT1D receptor than for the 5-HT1B receptor. LY310762 potentiates the potassium-induced [3H]5-HT outflow from guinea pig cortical slices with an EC50 of 30 nM. The maximum potentiation of the potassium-induced outflow which is obtained with LY310762 is about 40% [1]. LY310762 blocks the decreased EPSC amplitude induced by Sumatriptan [2].  
in vivo: Systemic administration of LY310762 (10 mg/kg i.p.) produces a further significant enhancement in the 5-HT response to fluoxetine (20 mg/kg i.p.) when compared to animals receiving a control vehicle injection. In fluoxetine treated animals, levels of 5-HT increases from 312±43% to a maximum of 683% after LY310762. I...

**References:**  

**Caution:** Not fully tested. For research purposes only  
Medchemexpress LLC  
www.medchemexpress.com  
18 Wilkinson Way, Princeton, NJ 08540, USA  
Tel: 609-228-6898 Fax: 609-228-5909 Email: info@medchemexpress.com Web: www.medchemexpress.com