Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

LY310762

Catalog No: tcsc3261

Available Sizes

Size: 10mg

Size: 50mg

Specifications

CAS No:
192927-92-7

Formula:
$C_{24}H_{28}ClFN_2O_2$

Pathway:
Neuronal Signaling;GPCR/G Protein

Target:
5-HT Receptor;5-HT Receptor

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 44 mg/mL (102.10 mM)

Observed Molecular Weight:
430.94

Product Description

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

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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. In control animals, levels of 5-HT remains unchanged (250%). LY310762 administered alone also significantly increases basal levels of 5-HT above vehicle controls, reaching a maximum of 258% compared to the pre-injection control [1].