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

Ro 61-8048

Catalog No: tcsc3332

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg

Specifications

CAS No:
199666-03-0

Formula:
$C_{17}H_{15}N_3O_6S_2$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 59 mg/mL (139.99 mM)

Observed Molecular Weight:
421.45

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Product Description

Ro 61-8048 is a potent and selective inhibitor of kynurenine hydroxylase with IC50 of 37 nM.

IC50 value: 37 nM [1]

Target: kynurenine hydroxylase inhibitor

in vitro:

in vivo: Ro 61-8048 blocked rat and gerbil kynurenine 3-hydroxylase after oral administration, with ED50\'s in the 3-5 mumol/kg range in gerbil brain. In a microdialysis experiment in rats, 16 dose dependently increased kynurenic acid concentration in the extracellular hippocampal fluid. A dose of 100 mumol/kg po led to a 7.5-fold increase in kynurenic acid outflow [1]. A significant reduction in infarct volumes also was found when the kynurenine hydroxylase inhibitors were given to rats after permanent middle cerebral artery occlusion (from 207+/-111 mm3 in vehicle-treated rats to 82+/-18 and to 62+/-57 mm3 in rats treated with mNBA, 400 mg/kg intraperitoneally, or with Ro 61-8048, 40 mg/kg intraperitoneally, respectively) [2]. intrastriatal injections of Ro 61-8048 (60-80 microg/hemisphere) significantly reduced the severity of dystonia in dt(sz) hamsters [3].