

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

Product Description

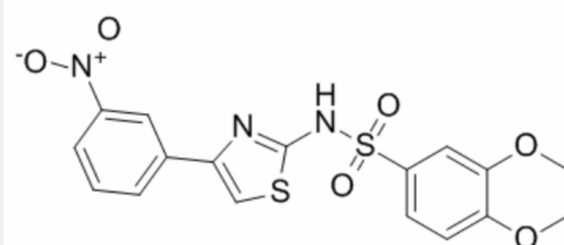
Ro 61-8048 is a potent and selective inhibitor of kynurenine hydroxylase with IC₅₀ of 37 nM.

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 μmol/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 μmol/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 μg/hemisphere) significantly reduced the severity of dystonia in dt(sz) hamsters [3].



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