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

Pramiracetam

Catalog No: tcsc1573

Available Sizes

Size: 50mg

Size: 200mg

Specifications

CAS No:
68497-62-1

Formula:
$C_{14}H_{27}N_3O_2$

Pathway:
Others

Target:
Others

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 100 mg/mL (371.22 mM)

Observed Molecular Weight:
269.38

Product Description

Pramiracetam is a nootropic drug derived from piracetam, and is more potent. Pramiracetam reportedly improved cognitive deficits associated with traumatic brain injuries.

IC50 Value:

Target:

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in vitro: Pramiracetam sulfate did not exhibit any affinity in vitro for dopaminergic , GABAergic, serotoninergic, adrenergic, muscarinic, adenosine (IC50 > 10 uM), and benzodiazepine receptors (IC50 > 1 uM) binding sites [1].

in vivo: In a double-blind, randomized design, two groups of six subjects each received alternating placebo and single 400, 800, 1,200, and 1,600 mg oral doses of pramiracetam after an overnight fast. Mean (+/- SD) peak plasma concentrations of the four dose groups (2.71 +/- 0.54, 5.40 +/- 1.34, 6.13 +/- 0.71, 8.98 +/- 0.71 micrograms/mL) were attained between two to three hours following drug administration [2]. Two doses of pramiracetam (7.5 mg/kg and 15 mg/kg) were administered daily prior to testing for 7 weeks in a 16-arm radial maze in which nine arms were baited with food [3].