Taiclone®
Quality Guarantee

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

A-804598

Catalog No: tcsc5760

Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
1125758-85-1

Formula:
$C_{19}H_{17}N_5$

Pathway:
Membrane Transporter/Ion Channel

Target:
P2X Receptor

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 32 mg/mL (101.47 mM)

Observed Molecular Weight:
315.37

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Product Description

A-804598 is a novel, competitive, and selective P2X7 receptor antagonist with IC50 of 10 nM, 9 nM and 11 nM in rat, mouse and human P2X7 receptors respectively.

In vitro: A-804598 potently blocked IL-1β release in the THP-1 cells (IC50 of 8.5 nM). A-804598 also blocked agonist-evoked pore formation in differentiated human THP-1 cells (IC50 of 8.1 nM) with similar potency as in the calcium-influx assay. [1]

In vivo: Autoradiographic analysis of coronal rat brain sections revealed that there was specific binding of [3H]-A-804598 throughout the rat brain. High levels of [3H]-A-804598 specific binding were also found in the grey matter of the L4-L6 region of the rat spinal cord. [2]