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

NP118809

Catalog No: tcsc1361

Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg

Specifications

CAS No:
41332-24-5

Formula:
$C_{32}H_{32}N_2O$

Pathway:
Membrane Transporter/Ion Channel

Target:
Calcium Channel

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 50 mg/mL (108.55 mM)

Alternative Names:
39-1B4

Observed Molecular Weight:
460.61

Product Description

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NP118809 is a potent **N-type calcium channel** blocker, with an **IC_{50}** of 0.11 μM; also less potently inhibits **L-type calcium channel** with an **IC_{50}** of 12.2 μM.

IC50 & Target: IC50: 0.11 μM (N-type calcium channel), 12.2 μM (L-type calcium channel)[1][2]

In Vitro: NP118809 is a potent N-type calcium channel blocker, with an IC_{50} of 0.11 μM; also inhibits L-type calcium channel with an IC_{50} of 12.2 μM. NP118809 inhibits the hERG potassium channel in HEK cells, with an IC_{50} of 7.4 μM[1].

In Vivo: NP118809 (25 mg/kg, i.p.) shows significant analgesic activity in the phase IIA portions of the rat formalin model[1]. NP118809 (30 mg/kg, p.o.) results in 80.3% inhibition of mechanical allodynia and 96.3% inhibition of thermal hyperalgesia in the rat spinal nerve ligation model[2].