

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

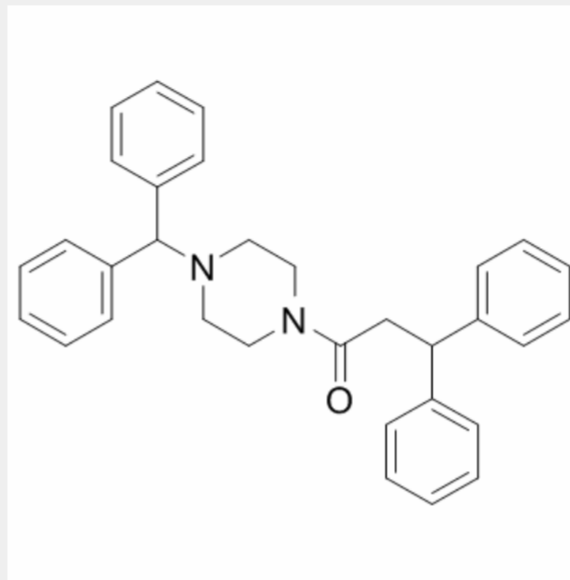
Product Description

NP118809 is a potent **N-type calcium channel** blocker, with an **IC₅₀** of 0.11 μM ; also less potently inhibits **L-type calcium channel** with an **IC₅₀** 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 **IC₅₀** of 0.11 μM ; also inhibits L-type calcium channel with an **IC₅₀** of 12.2 μM . NP118809 inhibits the hERG potassium channel in HEK cells, with an **IC₅₀** 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].



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