

# 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 :  $\geq 50$  mg/mL (108.55 mM)

**Alternative Names:**

39-1B4

**Observed Molecular Weight:**

460.61

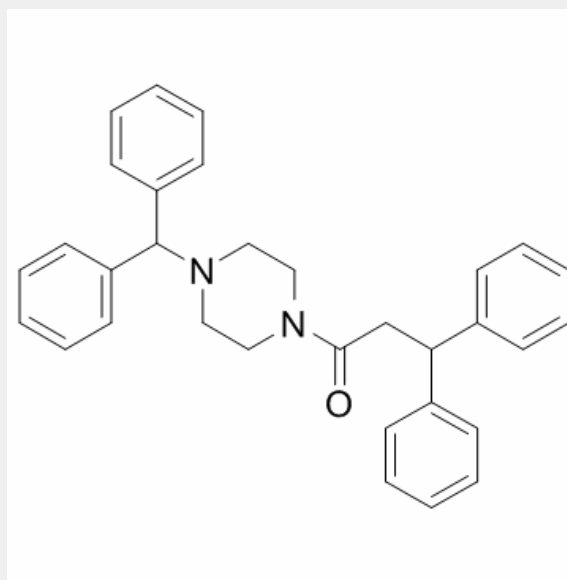
## Product Description

NP118809 is a potent **N-type calcium channel** blocker, with an **IC<sub>50</sub>** of 0.11  $\mu$ M; also less potently inhibits **L-type calcium channel** with an **IC<sub>50</sub>** of 12.2  $\mu$ M.

IC50 & Target: IC50: 0.11  $\mu$ M (N-type calcium channel), 12.2  $\mu$ M (L-type calcium channel)<sup>[1][2]</sup>

**In Vitro:** NP118809 is a potent N-type calcium channel blocker, with an IC<sub>50</sub> of 0.11  $\mu$ M; also inhibits L-type calcium channel with an IC<sub>50</sub> of 12.2  $\mu$ M. NP118809 inhibits the hERG potassium channel in HEK cells, with an IC<sub>50</sub> of 7.4  $\mu$ M<sup>[1]</sup>.

**In Vivo:** NP118809 (25 mg/kg, i.p.) shows significant analgesic activity in the phase IIA portions of the rat formalin model<sup>[1]</sup>. 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<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!