



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

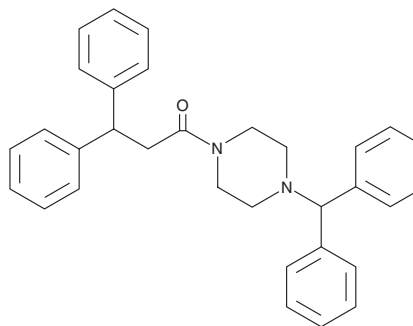
# PRODUCT INFORMATION



**NP-118809**

Item No. 37539

**CAS Registry No.:** 41332-24-5  
**Formal Name:** 1-[4-(diphenylmethyl)-1-piperazinyl]-3,3-diphenyl-1-propanone  
**Synonym:** MK-6721  
**MF:** C<sub>32</sub>H<sub>32</sub>N<sub>2</sub>O  
**FW:** 460.6  
**Purity:** ≥95%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

NP-118809 is supplied as a solid. A stock solution may be made by dissolving the NP-118809 in the solvent of choice, which should be purged with an inert gas. NP-118809 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of NP-118809 in these solvents is approximately 10 mg/ml.

## Description

NP-118809 is an inhibitor of N-type voltage-gated calcium channels ( $IC_{50} = 0.11 \mu M$ ).<sup>1</sup> It is selective for N-type over L-type voltage-gated calcium channels and human-ether-a-go-go (hERG), also known as K<sub>v</sub>11.1 ( $IC_{50}$ s = 12.2 and 7.4  $\mu M$ , respectively), as well as a panel of 112 other ion channels, receptors, and signaling targets at 10  $\mu M$ . NP-118809 (25 mg/kg, i.p.) decreases the number of flinches in the second phase of the formalin test in a rat model of inflammatory pain.

## Reference

1. Zamponi, G.W., Feng, Z.P., Zhang, L., *et al.* Scaffold-based design and synthesis of potent N-type calcium channel blockers. *Bioorg. Med. Chem. Lett.* **19**(22), 6467-6472 (2009).

### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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## CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897

[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
[WWW.CAYMANCHEM.COM](http://WWW.CAYMANCHEM.COM)