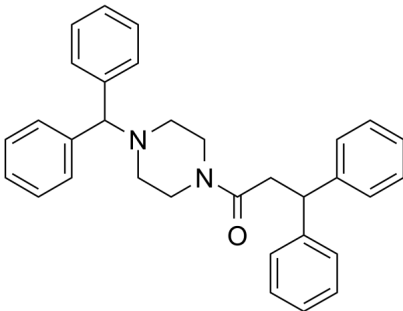


## Certificate of Analysis

Catalog Number	BP16102
Product Name	NP118809

## Physical and Chemical Properties

Synonyms	39-1B4
CAS No.	41332-24-5
Chemical Formula	C <sub>32</sub> H <sub>32</sub> N <sub>2</sub> O
Molecular Weight	460.621
Solubility	DMSO: 50 mg/mL (108.55 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	NP118809 is a potent N-type calcium channel blocker(IC <sub>50</sub> : 0.11 μM).
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Targets&IC50	N-type calcium channel:0.11 $\mu$ M
In vitro	NP118809 with a total linker length of 3 carbons (n = 1) and which exhibited approximately a 500-fold increased N-type channel blockade compared to compounds in this series with linkers either shorter (n = 0, 2a) or longer (n = 2 4, (2c e). Examination of the effect of NP118809 on functional L-type calcium channel activity showed that this compound was approximately 111-fold more selective for N-type channels

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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