

Product Name: SB 268262

Catalog No.: 4314

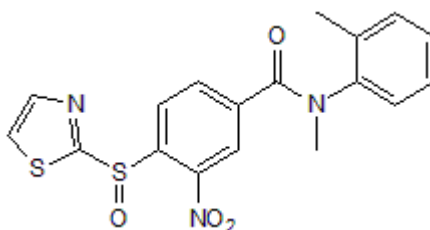
Batch No.: 1

CAS Number: 217438-17-0

IUPAC Name: *N*-Methyl-*N*-(2-methylphenyl)-3-nitro-4-(2-thiazolylsulfinyl)-benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₅N₃O₄S₂
Batch Molecular Weight: 401.46
Physical Appearance: Yellow solid
Solubility: DMSO to 50 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Ethyl acetate:Petroleum ether [1:2])
HPLC: Shows >99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	53.85	3.78	10.47
Found	53.97	3.8	10.46

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Selective non-peptide CGRP₁ antagonist. Inhibits [¹²⁵I]CGRP binding and CGRP-activated adenylyl cyclase stimulation in SK-N-MC cell membranes (IC₅₀ values are 0.24 and 0.83 nM respectively).

Physical and Chemical Properties:

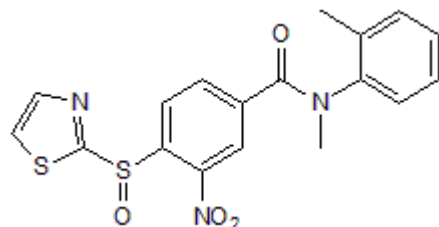
Batch Molecular Formula: C₁₈H₁₅N₃O₄S₂

Batch Molecular Weight: 401.46

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

DMSO to 50 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Aiyar et al (2001) Pharmacology of SB-273779, a nonpeptide calcitonin gene-related peptide 1 receptor antagonist. *J.Pharmacol.Exp.Ther.* **296** 768. PMID: 11181905.

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