

## Certificate of Analysis

**Product Name:** SB 268262

**Catalog No.:** 4314

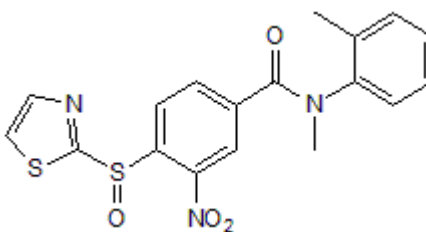
**Batch No.:** 1

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:** C<sub>18</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>  
**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<sub>f</sub> = 0.1 (Ethyl acetate:Petroleum ether [1:2])  
**HPLC:** Shows >99.4% purity  
**<sup>1</sup>H 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

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**Description:**

Selective non-peptide CGRP<sub>1</sub> antagonist. Inhibits [<sup>125</sup>I]CGRP binding and CGRP-activated adenylyl cyclase stimulation in SK-N-MC cell membranes (IC<sub>50</sub> values are 0.24 and 0.83 nM respectively).

**Physical and Chemical Properties:**

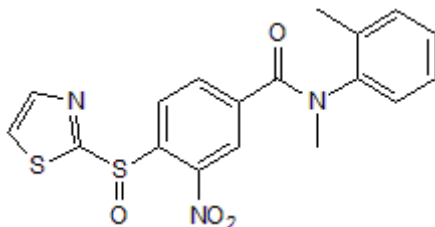
Batch Molecular Formula: C<sub>18</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>S<sub>2</sub>

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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