

Product Name: o-3M3FBS

Catalog No.: 1942

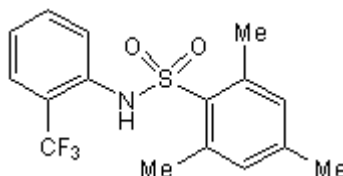
Batch No.: 1

CAS Number: 313981-55-4

IUPAC Name: 2,4,6-Trimethyl-N-[2-(trifluoromethyl)phenyl]benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₆F₃NO₂S
Batch Molecular Weight: 343.36
Physical Appearance: White solid
Solubility: ethanol to 100 mM
DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.55 (Ethyl acetate:Petroleum ether [2:8])
Melting Point: Between 111 - 112°C
HPLC: Shows >99.8% purity
¹H NMR: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 55.97 | 4.7 | 4.08 |
| Found | 55.95 | 4.73 | 4.06 |

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

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IUPAC Name: 2,4,6-Trimethyl-N-[2-(trifluoromethyl)phenyl]benzenesulfonamide

Description:

Inactive analog of m-3M3FBS (Cat. No. 1941). Used as a negative control.

Physical and Chemical Properties:

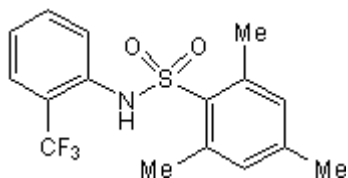
Batch Molecular Formula: C₁₆H₁₆F₃NO₂S

Batch Molecular Weight: 343.36

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

ethanol to 100 mM

DMSO to 100 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:

Bae et al (2003) Identification of a compound that directly stimulates phospholipase C activity. *Mol.Pharmacol.* **63** 1043. PMID: 12695532.

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