

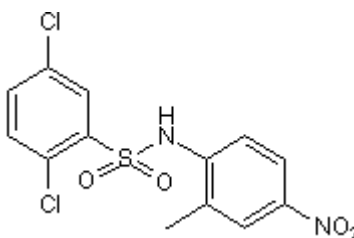
Certificate of Analysis

Product Name: FH 535
CAS Number: 108409-83-2
IUPAC Name: 2,5-Dichloro-*N*-(2-methyl-4-nitrophenyl)benzenesulfonamide

Catalog No.: 4344 **Batch No.:** 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₁₀Cl₂N₂O₄S
Batch Molecular Weight: 361.2
Physical Appearance: Off-white solid
Solubility: DMSO to 75 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 100% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	43.23	2.79	7.76
Found	43.39	2.77	7.76

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

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Description:

Inhibitor of Wnt/ β -catenin signaling and dual antagonist of PPAR γ / δ activity. Suppresses β -catenin/Tcf-mediated transcription; inhibits β -catenin and GRIP1 recruitment to PPAR γ and δ . Exhibits antiproliferative effects in transformed colon, lung and liver cancer cell lines.

Physical and Chemical Properties:

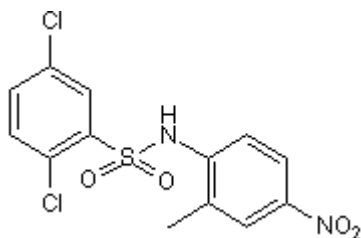
Batch Molecular Formula: C₁₃H₁₀Cl₂N₂O₄S

Batch Molecular Weight: 361.2

Physical Appearance: Off-white solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Handeli and Simon (2008) A small-molecule inhibitor of Tcf/ β -catenin signaling down-regulates PPAR γ and PPAR δ activities. *Mol.Cancer Ther.* **7** 521. PMID: 18347139.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 75 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.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956