

**Product Name:** BI 01383298

**Catalog No.:** 6518

**Batch No.:** 1

CAS Number: 2227549-00-8

IUPAC Name: 1-[(3,5-Dichlorophenyl)sulfonyl]-N-(4-fluorophenyl)methyl-4-piperidinecarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>19</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>3</sub>S

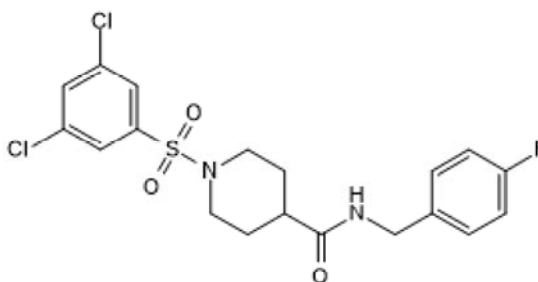
**Batch Molecular Weight:** 445.34

**Physical Appearance:** White solid

**Solubility:** DMSO to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.45 (Ethyl acetate:Petroleum ether [2:3])

**HPLC:** Shows 99.9% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	51.24	4.3	6.29
Found	51.24	4.24	6.46

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

**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](http://www.tocris.com/distributors)

Tel: +1 612 379 2956

**Product Name:** BI 01383298

**Catalog No.:** 6518

**Batch No.:** 1

CAS Number: 2227549-00-8

IUPAC Name: 1-[(3,5-Dichlorophenyl)sulfonyl]-N-[(4-fluorophenyl)methyl]-4-piperidinecarboxamide

**Description:**

Potent and selective inhibitor of human SLC13A5 (Na<sup>+</sup>/citrate cotransporter; IC<sub>50</sub> = 56 nM in HEK cells overexpressing hSLC13A5 and 24 nM in HepG2 cells with endogenous SLC13A5 expression). Displays >1000-fold selectivity over other family members.

**Physical and Chemical Properties:**

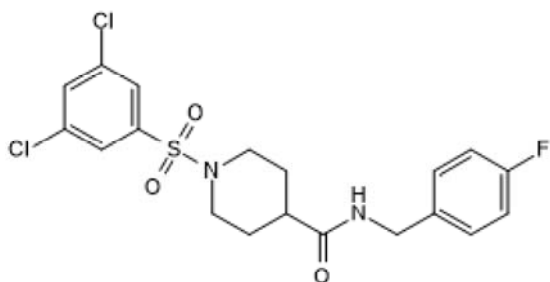
Batch Molecular Formula: C<sub>19</sub>H<sub>19</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>3</sub>S

Batch Molecular Weight: 445.34

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**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.

**Licensing Information:**

This probe is supplied in conjunction with the Structural Genomics Consortium. For further characterization details, please visit the BI01383298 probe summary on the SGC website.

**References:**

**Peters** (2017) Flipping a citrate switch on liver cancer cells. *J.Biol.Chem.* **292** 13902. PMID: 28821606.

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

**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