

Certificate of Analysis

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Product Name: SB 611812

Catalog No.: 4670

Batch No.: 1

CAS Number: 345892-71-9

IUPAC Name: 2,6-Dichloro-N-[4-chloro-3-[2-(dimethylamino)ethoxy]phenyl]-4-(trifluoromethyl)benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₆Cl₃F₃N₂O₃S

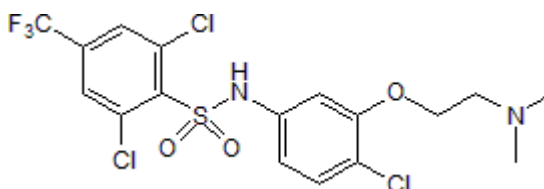
Batch Molecular Weight: 491.74

Physical Appearance: Yellow solid

Solubility: DMSO to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

Carbon Hydrogen Nitrogen

Theoretical	41.52	3.28	5.7
Found	41.52	3.22	5.57

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

Product Information

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IUPAC Name: 2,6-Dichloro-N-[4-chloro-3-[2-(dimethylamino)ethoxy]phenyl]-4-(trifluoromethyl)benzenesulfonamide

Description:

Urotensin-II (UT) antagonist. Inhibits urotensin-II-induced proliferation of neonatal cardiac fibroblasts. Attenuates cardiac dysfunction in a rat model of coronary artery ligation; decreases cardiomyocyte hypertrophy, ventricular dilatation and cardiac remodeling.

Physical and Chemical Properties:

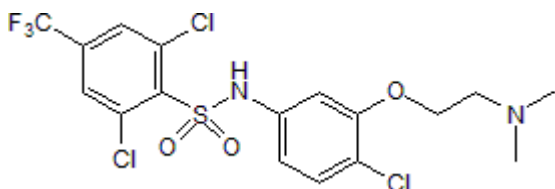
Batch Molecular Formula: C₁₇H₁₆Cl₃F₃N₂O₃S

Batch Molecular Weight: 491.74

Physical Appearance: Yellow solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 10 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:

Bousette et al (2006) Urotensin-II receptor blockade with SB-611812 attenuates cardiac remodeling in experimental ischemic heart disease. *Peptides* **27** 2919. PMID: 16919371.

Bousette et al (2006) Urotensin-II blockade with SB-611812 attenuates cardiac dysfunction in a rat model of coronary artery ligation. *J.Mol.Cell Cardiol.* **41** 285. PMID: 16797584.

Papadopoulos et al (2008) Urotensin-II and cardiovascular remodeling. *Peptides* **29** 764. PMID: 17988761.

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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