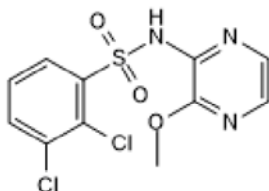


**Product Name:** AZD 2098  
**CAS Number:** 566203-88-1  
**IUPAC Name:** 2,3-Dichloro-*N*-(3-methoxy-2-pyrazinyl)benzenesulfonamide

**Catalog No.:** 6541      **Batch No.:** 1

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>11</sub>H<sub>9</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>S.½H<sub>2</sub>O  
**Batch Molecular Weight:** 343.19  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 10 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.35 (Ethyl acetate:Petroleum ether [1:3])  
**HPLC:** Shows 99% purity  
<sup>1</sup>H NMR: Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	38.5	2.94	12.24
Found	38.42	2.55	12.03

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

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**Catalog No.:** 6541

**Batch No.:** 1

CAS Number: 566203-88-1

IUPAC Name: 2,3-Dichloro-N-(3-methoxy-2-pyrazinyl)benzenesulfonamide

**Description:**

Potent and selective CCR4 antagonist ( $pIC_{50} = 7.8$ ). Exhibits no activity at CXCR1 and CXCR2, CCR1, CCR2b, CCR5, CCR7, and CCR8 at 10  $\mu$ M, and no significant activity when screened against a panel of 120 receptors and enzymes. Inhibits CCL22  $Ca^{2+}$  response and Th2 cell CCL17/22 driven chemotaxis in vitro. Inhibits lung inflammation following antigen challenge in ovalbumin- sensitized rats.

**Physical and Chemical Properties:**

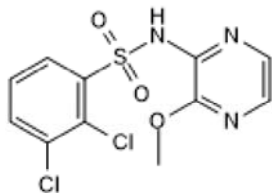
Batch Molecular Formula:  $C_{11}H_9Cl_2N_3O_3S \cdot \frac{1}{2}H_2O$

Batch Molecular Weight: 343.19

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol 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:**

**Kindon *et al*** (2017) Discovery of AZD-2098 and AZD-1678, two potent and bioavailable CCR4 receptor antagonists. *ACS Med.Chem.Lett.* **8** 981. PMID: 28947948.

**Toogood *et al*** (2017) Small molecule immuno-oncology therapeutic agents. *Bioorg.Med.Chem.Lett.* **S0960** 31218. PMID: 29326017.

**Mullard *et al*** (2014) Cancer charity sees success re-prioritizing industry's shelved compounds. *Nat.Rev.Drug Discov.* **13** 319. PMID: 24781536.

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