Print Date: Feb 7th 2017

Certificate of Analysis

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Product Name: **SB 332235** **Catalog No.: 5671** **Batch No.: 1**

CAS Number: 276702-15-9

IUPAC Name: 6-Chloro-3-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-2-hydroxybenzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{13}H_{10}Cl_3N_3O_4S$

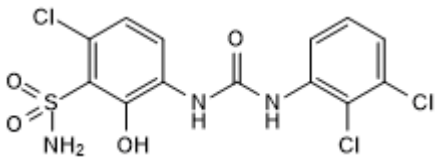
Batch Molecular Weight: 410.66

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.5 (Dichloromethane:Methanol [9:1])

HPLC: Shows 98.7% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	38.02	2.45	10.23
Found	38	2.41	10.23

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Product Information

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IUPAC Name: 6-Chloro-3-[[[(2,3-dichlorophenyl)amino]carbonyl]amino]-2-hydroxybenzenesulfonamide

Description:

Potent CXCR2 antagonist (IC_{50} = 7.7 nM). Exhibits 285-fold selectivity for CXCR2 over CXCR1. Reduces leukocyte numbers in synovial fluid in acute and chronic rabbit arthritis models. Also reduces synovial fluid eicosanoid and cytokine levels in a rabbit chronic arthritis model. Inhibits proliferation of AML cell lines in vitro.

Physical and Chemical Properties:

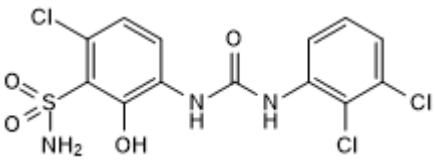
Batch Molecular Formula: $C_{13}H_{10}Cl_3N_3O_4S$

Batch Molecular Weight: 410.66

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

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:

Schinke *et al* (2015) IL8-CXCR2 pathway inhibition as a therapeutic strategy against MDS and AML stem cells. Blood ***125*** 3144. PMID: 25810490.

Podolin *et al* (2002) A potent and selective nonpeptide antagonist of CXCR2 inhibits acute and chronic models of arthritis in the rabbit. J.Immunol. ***169*** 6435. PMID: 12444152.