

**Product Name:** SB 265610

**Catalog No.:** 2724

**Batch No.:** 6

CAS Number: 211096-49-0

IUPAC Name: *N*-(2-Bromophenyl)-*N'*-(7-cyano-1*H*-benzotriazol-4-yl)urea

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>14</sub>H<sub>9</sub>BrN<sub>6</sub>O.H<sub>2</sub>O

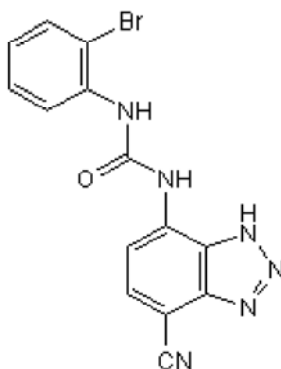
**Batch Molecular Weight:** 375.18

**Physical Appearance:** Beige solid

**Solubility:** DMSO to 100 mM  
ethanol to 10 mM

**Storage:** Store at RT

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.5 (Dichloromethane:Acetone [4:1])

**HPLC:** Shows >98.6% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	44.82	2.96	22.4
Found	44.83	2.84	22.49

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**Description:**

Potent CXCR2 antagonist that inhibits CINC-1-mediated but not C5a-mediated Ca<sup>2+</sup> mobilization (IC<sub>50</sub> values are 3.4 and 6800 nM respectively). Inhibits CINC-induced chemotaxis and attenuates neutrophil accumulation in inflammatory lung injury in vivo.

**Physical and Chemical Properties:**

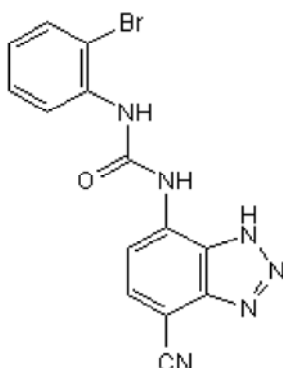
Batch Molecular Formula: C<sub>14</sub>H<sub>9</sub>BrN<sub>6</sub>O.H<sub>2</sub>O

Batch Molecular Weight: 375.18

Physical Appearance: Beige solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 mM

When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

**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:**

Sold for research purposes under agreement from GlaxoSmithKline

**References:**

**Milatovic et al** (2003) Impaired healing of nitrogen mustard wounds in CXCR2 null mice. *Wound Repair Regen.* **11** 213. PMID: 12753603.

**Auten et al** (2001) Nonpeptide CXCR2 antagonist prevents neutrophil accumulation in hyperoxia-exposed newborn rats. *J.Pharmacol.Exp.Ther.* **299** 90. PMID: 11561067.

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