

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: C₁₄H₉BrN₆O.H₂O

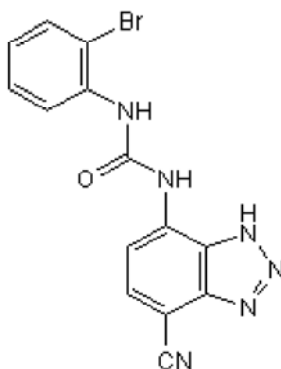
Batch Molecular Weight: 375.18

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_f = 0.5 (Dichloromethane:Acetone [4:1])

HPLC: Shows >98.6% purity

¹H 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

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

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Description:

Potent CXCR2 antagonist that inhibits CINC-1-mediated but not C5a-mediated Ca²⁺ mobilization (IC₅₀ 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:

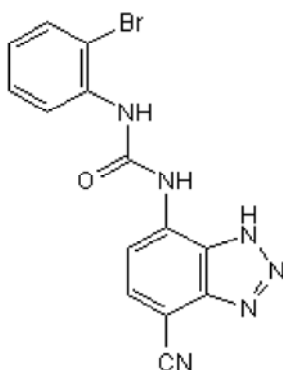
Batch Molecular Formula: C₁₄H₉BrN₆O.H₂O

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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