

**Product Name:** Blasticidin S HCl

**Catalog No.:** 5502

**Batch No.:** 7

CAS Number: 3513-03-9

IUPAC Name: (S)-4-[[3-Amino-5-[(aminoiminomethyl)methylamino]-1-oxopentyl]amino]-1-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,2,3,4-tetrahydro-β-D-erythro-hex-2-enopyranuronic acid hydrochloride

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>17</sub>H<sub>26</sub>N<sub>8</sub>O<sub>5</sub>.HCl

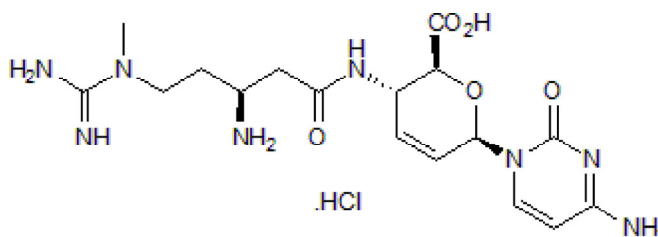
**Batch Molecular Weight:** 458.9

**Physical Appearance:** White solid

**Solubility:** water to 10 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.2 % purity

**CoA Potency:** 910 µg/mg

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

**Product Name:** Blastidicin S HCl

**Catalog No.:** 5502

7

CAS Number: 3513-03-9

IUPAC Name: (S)-4-[[3-Amino-5-[(aminoiminomethyl)methylamino]-1-oxopentyl]amino]-1-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,2,3,4-tetrahydro-β-D-erythro-hex-2-enopyranuronic acid hydrochloride

**Description:**

Blastidicin S HCl is an antibiotic. Selection reagent for bis, bsr and BSD transformed cells.

**Physical and Chemical Properties:**

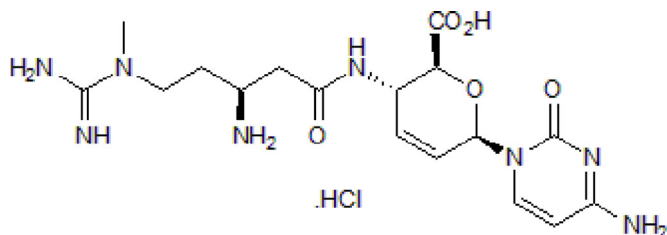
Batch Molecular Formula: C<sub>17</sub>H<sub>26</sub>N<sub>8</sub>O<sub>5</sub>.HCl

Batch Molecular Weight: 458.9

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

water 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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.

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