

Product datasheet

Blasticidin S hydrochloride (aqueous solution in HEPES, pH 7.5, sterile-filtered), antibiotic agent ab146609

1 References 1 Image

Overview

**Product name** Blasticidin S hydrochloride (aqueous solution in HEPES, pH 7.5, sterile-filtered), antibiotic agent

**Description** Broad spectrum amino nucleoside antibiotic agent

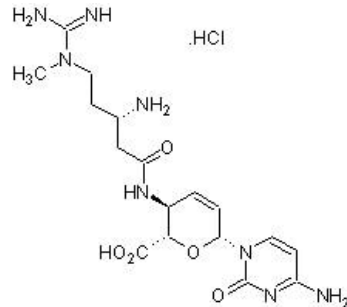
**Biological description** Broad spectrum amino nucleoside antibiotic agent similar to puromycin (ab141841). Inhibits protein biosynthesis at both prokaryotic and eukaryotic ribosomes.

Also available as a solid (ab141452).

**Purity** > 98%

**CAS Number** 3513-03-9

**Chemical structure**



Properties

**Chemical name** 4-Amino-1-(4-[[[(3S)-3-amino-5-(N-methylcarbamimidamido)pentanoyl]amino]-2,3,4-trideoxy-β-D-erythro-hex-2-enopyranuronosyl]-2(1H)-pyrimidinone hydrochloride

**Molecular weight** 458.90

**Molecular formula** C<sub>17</sub>H<sub>26</sub>N<sub>8</sub>O<sub>5</sub>·HCl

**PubChem identifier** 25078183

**Storage instructions** Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.

**Solubility overview** Supplied in 20 mM aqueous HEPES, pH 7.5 (10 mg/ml)

**Handling** Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in

tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

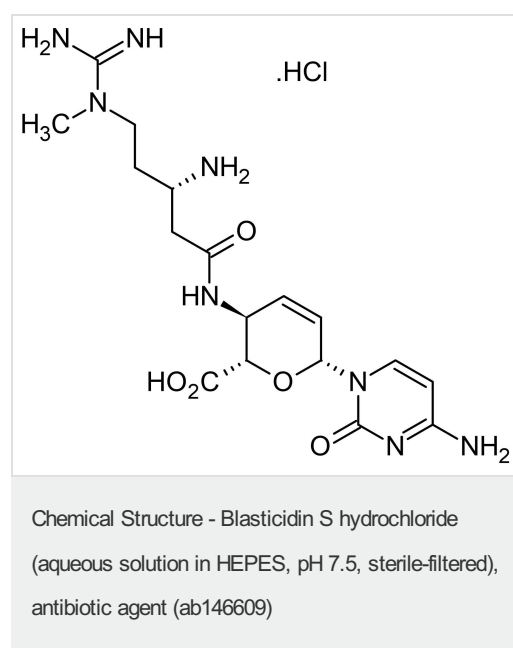
## SMILES

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CN(CC[C@H](CC(=O)N[C@H]1C=C[C@@H]1O)[C@@H]1C(=O)O)N2C=CC(=NC2=O)N)N)C(=N)N.Cl
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## Source

Synthetic

## Images



2D chemical structure image of ab146609, Blasticidin S hydrochloride (aqueous solution in HEPES, pH 7.5, sterile-filtered), antibiotic agent

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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