

FT-F97152

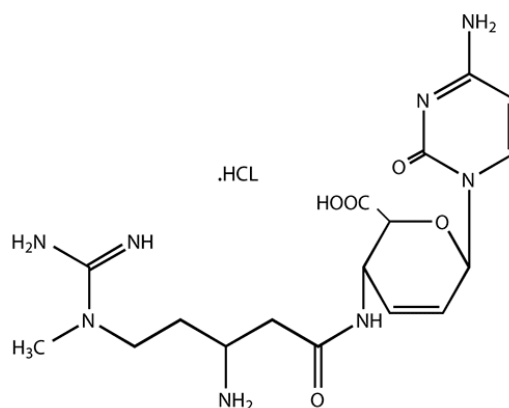


Blasticidin S Solution

An antibiotic inhibiting protein synthesis

Product Description

Name :	Blasticidin S Solution, HCl in HEPES Buffer 10 mg/ml
	From <i>Streptomyces griseochromogenes</i>
Catalog Number :	B4FLS0 1 ml B4FLS1 5 x 1 ml B4FLS2 10 x 1 ml B4FLS3 5 x 2 ml
Structure :	C17H 26N8O5 . HCl CAS: [3513-03-9]
Molecular Weight :	458.9
Solubility:	Clear and faint yellow solution (5mg/ml in water)



Storage: -20°C

Warning.Toxic. Store in Tightly Sealed Vial Protect from moisture.

Blasticidin S.HCl is an inhibitor of DNA and protein synthesis. Blasticidin S is a peptidyl nucleoside antibiotic isolated from the culture broth of *Streptomyces griseochromogenes*. Blasticidin S is used to select transfected cells carrying bsr or BSD resistance genes. Solution vials provided at a concentration of 10 mg/ml in HEPES buffer.

Applications

Aside from its antibiotic effects, blasticidin can be used to select for blasticidin resistance genes, which have undergone considerable study in recent years. One resistance gene, blasticidin S deaminase, has been used as a selection marker for genetic transformation and genome editing. The antibiotic has also been used as a selection factor in studies of forced genetic expression in anticancer therapy, specifically of the CSR1 gene.

- Used as a selection agent for bls, bsr, or BSD resistance genes
- Prevents cell culture contamination
- Effective in antiviral, antitumor, and antifungal properties
- New role in Genome editing utilizing the CRISPR/Cas9 system.
- Gene selection antibiotic

Related products

Blasticidin S HCl #F9715B, 25 mg
 #F97153, 100 mg

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

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