



# LKT Laboratories, Inc.

## Blasticidin S Hydrochloride

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### Product Information

Product ID B4402

CAS No. 3513-03-9

Chemical Name

Synonym

Formula  $C_{17}H_{26}N_8O_5 \cdot HCl$

Formula Wt. 458.5

Melting Point 224-225°C(dec)

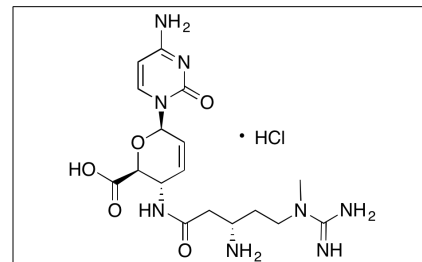
Purity ≥98%

Solubility Soluble in water. Insoluble  
in organic solvents.

Store Temp 4°C

Ship Temp Ambient

**Description** Blasticidin S is an antibiotic that also exhibits anti-parasitic activity. Blasticidin S inhibits protein synthesis by inducing deformations in P-site tRNA. Blasticidin S inhibits aflatoxin production in species of *Aspergillus*. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
B4402	25 mg	\$121.40
B4402	50 mg	\$208.10
B4402	100 mg	\$371.70

**References** Yoshinari T, Sakuda S, Watanabe M, et al. New metabolic pathway for converting blasticidin S in *Aspergillus flavus* and inhibitory activity of aflatoxin production by blasticidin S metabolites. *J Agric Food Chem*. 2013 Aug 21;61(33):7925-31. PMID: 23879927.

Svidritskiy E, Ling C, Ermolenko DN, et al. Blasticidin S inhibits translation by trapping deformed tRNA on the ribosome. *Proc Natl Acad Sci U S A*. 2013 Jul 23;110(30):12283-8. PMID: 23824292.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.