



LKT Laboratories, Inc.

Blasticidin S Hydrochloride

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Product Information

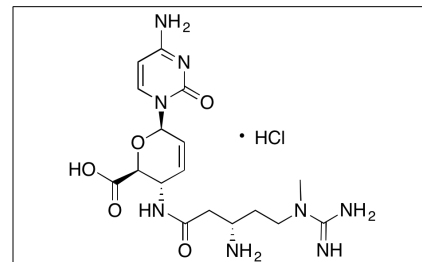
Product ID B4402
CAS No. 3513-03-9
Chemical Name

Synonym

Formula $C_{17}H_{26}N_8O_5 \cdot HCl$
Formula Wt. 458.5
Melting Point 224-225°C(dec)
Purity $\geq 98\%$
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*.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B4402	25 mg	\$127.50
B4402	50 mg	\$218.50
B4402	100 mg	\$390.30

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.