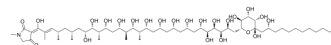


## Blasticidin A

Cat. No.:	HY-113542
CAS No.:	100513-53-9
Molecular Formula:	C <sub>58</sub> H <sub>107</sub> NO <sub>23</sub>
Molecular Weight:	1186.46
Target:	Bacterial; Antibiotic; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Blasticidin A ((+)-Blasticidin A) is an inhibitor of Aflatoxin production by *Aspergillus parasiticus*. Blasticidin A almost completely inhibits Aflatoxin production at 0.5 μM<sup>[1]</sup>. Blasticidin A is a potent antibiotic produced by *Streptomyces*, inhibits Aflatoxin production without strong growth inhibition toward Aflatoxin-producing fungi<sup>[2]</sup>.

### REFERENCES

[1]. S Sakuda, et al. Blasticidin A as an inhibitor of aflatoxin production by *Aspergillus parasiticus*. *J Antibiot (Tokyo)*. 2000 Nov;53(11):1265-71.

[2]. Tomoya Yoshinari, et al. Inhibitory activity of blasticidin A, a strong aflatoxin production inhibitor, on protein synthesis of yeast: selective inhibition of aflatoxin production by protein synthesis inhibitors. *J Antibiot (Tokyo)*. 2010 Jun;63(6):309-14.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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