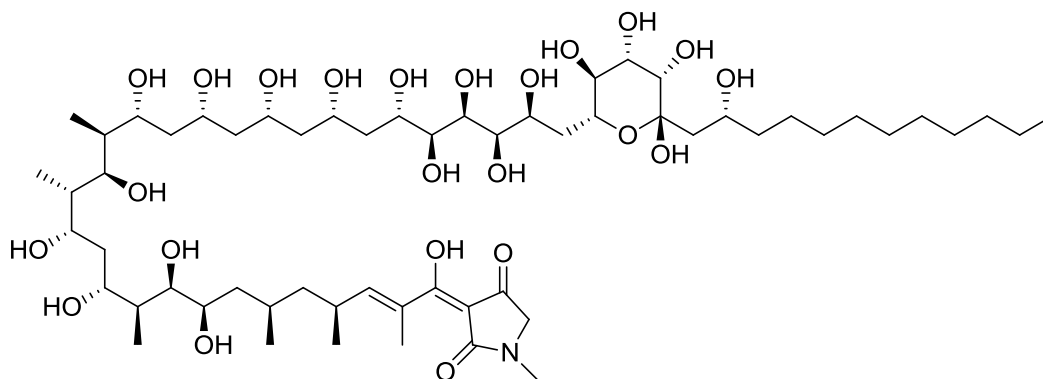


Blasticidin A

Code No.: **BIA-B1145**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

| | | |
|-------------------|---|---|
| CAS # | : | 100513-53-9 |
| Molecular Formula | : | C₅₈H₁₀₇NO₂₃ |
| Molecular Weight | : | 1186.5 |
| Source | : | <i>Streptomyces</i> sp. |
| Appearance | : | Yellow tan solid |
| Purity | : | >95% by HPLC |
| Long Term Storage | : | -20°C |
| Solubility | : | Soluble in DMF, DMSO or methanol. Moderately soluble in water and ethanol. |

Application Notes

Blasticidin A is a high molecular weight tetramic acid with broad spectrum antifungal and antibacterial activity, first reported in 1955. Like many tetramic acids, blasticidin A is isolated as the stable calcium salt/complex. Blasticidin A and closely related aflastatin A are specific inhibitors of the production of the mycotoxin, aflatoxin, by *Aspergillus parasiticus*.

References

1. Blasticidin, a new anti-phytopathogenic fungal substance. Part A. Fukunaga, K. et al., Bull. Agr. Chem. Soc. Jpn. 1955, 19, 181.
2. Blasticidin A as an Inhibitor of Aflatoxin Production by *Aspergillus parasiticus*. Sakuda S. et al., J. Antibiot. 2000, 53, 1265.