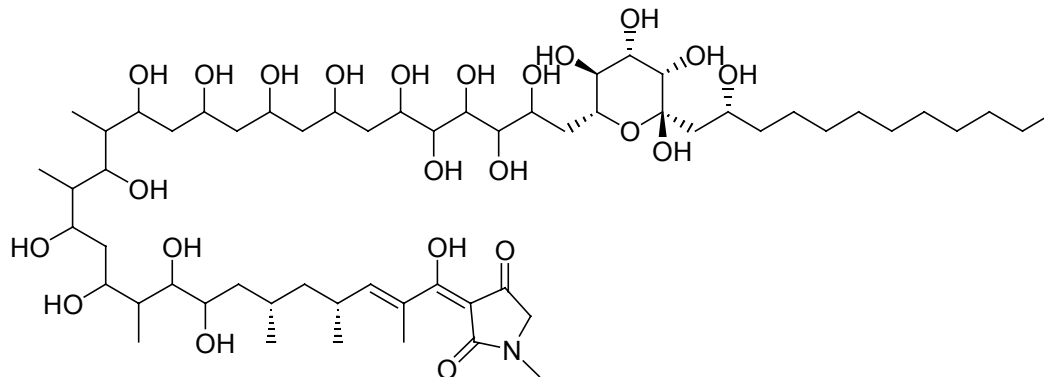


Blasticidin A

Code: **BIA-B1145**

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



Synonyms :

Specifications

| | |
|-------------------|--|
| CAS # | : 100513-53-9 |
| Molecular Formula | : C₅₈H₁₀₇NO₂₃ (free acid) |
| Molecular Weight | : 1,186.5 |
| Source | : <i>Streptomyces</i> sp. MST-AS4079 |
| Appearance | : Yellow tan solid |
| Purity | : > 98% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in DMSO, DMF and methanol. Fairly 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 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.