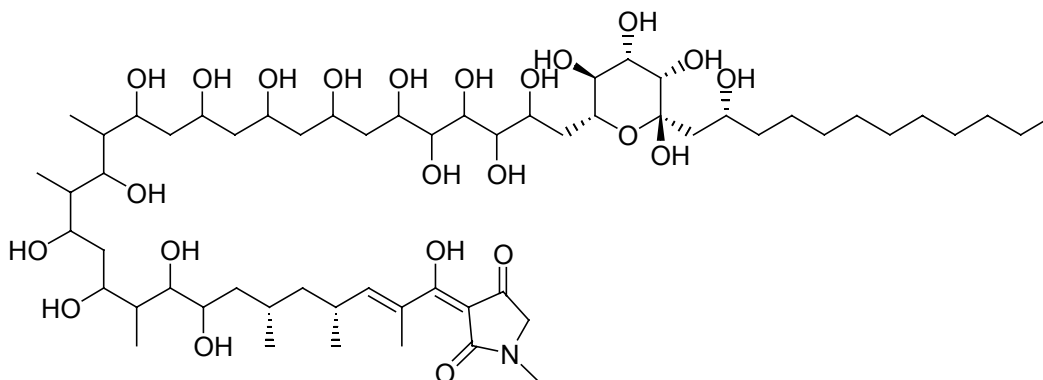


## Blasticidin A

Code: **BIA-B1145**

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



Synonyms :

### Specifications

CAS #	: <b>100513-53-9</b>
Molecular Formula	: <b>C<sub>58</sub>H<sub>107</sub>NO<sub>23</sub> (free acid)</b>
Molecular Weight	: <b>1,186.5</b>
Source	: <b><i>Streptomyces</i> sp. MST-AS4079</b>
Appearance	: <b>Yellow tan solid</b>
Purity	: <b>&gt; 98% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in DMSO, DMF and methanol. Fairly soluble in water and ethanol.</b>

### 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.