Blasticidin A

Specifications

CAS # : 100513-53-9
Molecular Formula : C_{58}H_{107}NO_{23}
Molecular Weight : 1186.5
Source : Streptomyces sp.
Appearance : Yellow tan solid
Purity : >98% 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


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