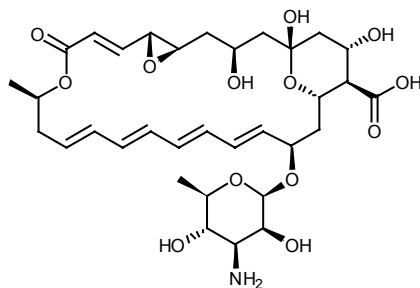


Pimaricin

Code: **BIA-P1210**

Pack sizes: **25 mg, 100 mg**



Synonyms : **Natamycin, Antibiotic A 5283, Pimafulcin.**

Specifications

CAS #	: 7861-93-8
Molecular Formula	: C ₃₃ H ₄₇ NO ₁₃
Molecular Weight	: 665.733
Source	: <i>Streptomyces</i> sp. MST-AS4274
Appearance	: Pale lemon solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Pimaricin is a macrocyclic tetraene originally isolated from *Streptomyces natalensis* in 1957. Pimaricin exhibits broad spectrum antifungal activity against yeast and filamentous fungi by binding specifically to ergosterol to block fungal growth. Unlike the related polyenes, nystatin and filipin, pimaricin does not change the permeability of the plasma membrane. Pimaricin is used in the food industry for surface treatment of cheeses as a mould inhibitor.

References

1. Pimaricin, a new antifungal antibiotic. Struyk A.P. et al., Antibiot. Annual 1957, 5, 878.
2. Natamycin blocks fungal growth by binding specifically to ergosterol without permeabilizing the membrane. te Welscher, Y.M. et al., J. Biol. Chem. 2008, 283, 6393.