

Product Information

Pimaricin preparation

Product Number **P0440**

Storage Temperature 2–8 °C

CAS RN 7681-93-8

Product Description

Molecular Formula: C₃₃H₄₇NO₁₃

Molecular Weight: 665.73

This product is a γ -irradiated saline suspension with ~2.5% pimaricin.

Pimaricin is a polyene antifungal antibiotic produced by *Streptomyces natalensis* from soil near Pietermaritzburg, South Africa.¹ Pimaricin has antimicrobial activity similar to that of nystatin. In addition, it is active against *Trichomonas vaginalis*. Pimaricin is used in the treatment of candidiasis, trichomoniasis, fungal keratitis, and aspergillosis. It has also been used as a food additive in some countries.² In some studies, it has been shown to decrease the amount of mold upon which the *Dermatophagoides pteronyssinus* (house-dust mite) is dependent.²

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

The product can be further diluted with 0.5 M sodium chloride giving a suspension as well. The product can be further diluted into an organic solvent such as dimethylformamide (may also be soluble in DMSO).

The product and any aqueous dilutions will be suspensions and should not be sterile filtered.

Storage/Stability

The product is not degraded by a single freeze-thaw cycle. The diluted product should be aliquoted and stored frozen.

References

1. The Merck Index, 11th ed., Entry# 6346.
2. Martindale The Extra Pharmacopoeia, 30th ed., Reynolds, J. E. F., ed., The Pharmaceutical Press (London, England: 1993), p. 329.

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