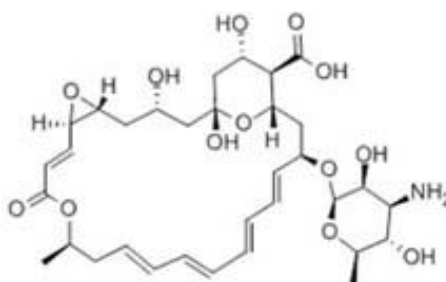


Pimaricin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Pimaricin**Catalog No.:** CFN90059**Cas No.:** 7681-93-8**Purity:** >=98%**M.F:** C₃₃H₄₇NO₁₃**M.W:** 665.73**Physical Description:** Powder

Synonyms: (1R,3S,5R,7R,8E,12R,14E,16E,18E,20E,22R,24S,25R,26S)-22-[(3-amino-3,6-dideoxy--D-mannopyranosyl)oxy]-1,3,26-trihydroxy-12-methyl-10-oxo-6,11,28-trioxatricyclo[22.3.1.05,7]octacos-8,14,16,18,20-pentaene-25-carboxylic acid;
Myprozine; Mycophyt.

**[Intended Use]**

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

[Biological Activity or Inhibitors]

Pimaricin is a new antifungal antibiotic.^[1]

Pimaricin has protection from oxidation and ultraviolet light by chlorophyllin and other compounds.^[2]

Pimaricin has intravitreal effects in experimental fungal endophthalmitis.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Methanol -H₂O- Acetic acid=48:32:1 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 302.5 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Struyk A P, Hoette I, Drost G, *et al. Antibiotics Annual*, 1957, 5:878-85.

[2] Dekker J, Ark P A. *Antibiotics & Chemotherapy*, 1959, 9(6):327-32.

[3] Ellison A C, Newmark E, Ellison A C, *et al. Am. J. Ophthalmol.*, 1973, 75(5):790-4.

[4] Wei J, Meng X, Wang Q. *Lett. Appl. Microbiol.*, 2011, 52(4):322-9.

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