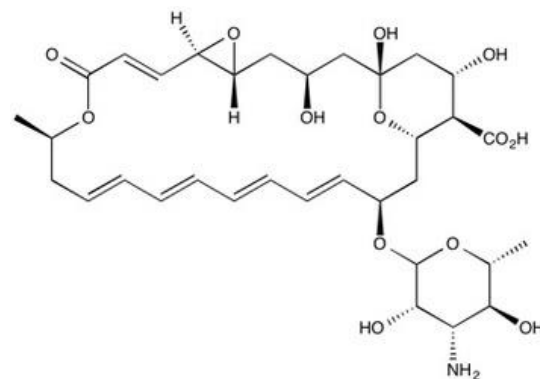


## Pimaricin (Natamycin), Antifungal polyene macrolide

Catalog	Unit
TBI2742-50MG	50 mg
TBI2742-250MG	250 mg

### Product Details

**Formal Name:** Fermentation product from *Streptomyces chattanoogensis*  
**Alternate Names:** Natamycin  
**Molecular Formula:** C<sub>33</sub>H<sub>47</sub>NO<sub>13</sub>  
**Formula Weight:** 665.74  
**CAS Number:** 7681-93-8  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO (up to 7 mg/ml). Only slightly soluble in Ethanol (less than 1 mg/ml).  
**Storage:** -20°C  
**Stability:** ≥ 1 year.



### Applications

Antifungal polyene macrolide

### Functions

Polyene macrolide topical antifungal agent. Specifically binds to ergosterol and inhibits fungal growth, not by forming pores in the plasma membrane (as is the case with other polyene macrolides such as amphotericin B) but by inhibition of amino acid and glucose transport. Blocks vacuole fusion at the priming phase via binding to ergosterol.

### Application Procedures

First dissolved in DMSO (up to 7 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20° for up to 1 week.

**For research use only.**