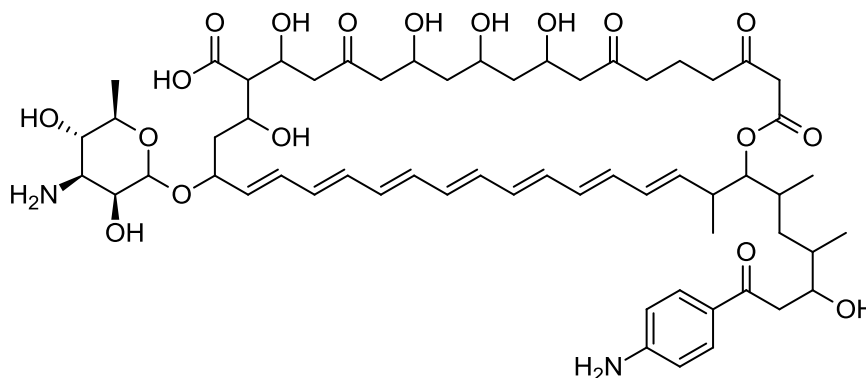


Candididin complex

Code No.: **BIA-C1564**

Pack sizes: **1 mg, 5 mg**



Synonyms : Levorin

Specifications

CAS #	: 1403-17-4
Molecular Formula	: C₅₉H₈₄N₂O₁₈ (for Candididin D)
Molecular Weight	: 1109.3
Source	: <i>Streptomyces griseus</i>
Appearance	: Dull yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Candididin is a macrocyclic heptaene antifungal complex produced by *Streptomyces griseus* and isolated by Lechevalier and colleagues in 1953. The candididin complex comprises analogues A, B, C and D, with candididin D as the major component. Candididin is active against fungi, in particular *Candida albicans*, and is used clinically to treat vaginal candidiasis. Like all polyene antifungal metabolites, candididin acts by binding to ergosterol and disrupting the fungal membrane.

References

1. Candididin, a new antifungal antibiotic. Lechevalier H. et al. *Mycologia* 1953, 45, 155.
2. On *Streptomyces* producing a new antifungal substance mediocidin and antifungal substances of fungicidin-rimocidin-chromin group, eurocin group and trichomycin-ascosin-candididin group. Okami Y. et al. *J. Antibiot.* 1954, 7, 98.
3. Candididin and other polyenic antifungal antibiotics. Waksman S.A. et al. *Bull. World Health Organ.* 1965, 33, 219.

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