Product Name: Nystatin A1

Product Number: N044

CAS Number: 1400-61-9

Molecular Formula: \( \text{C}_{47}\text{H}_{75}\text{NO}_{17} \)

Molecular Weight: 926.1

Appearance: Yellow solid

Storage Conditions: -20°C

Description:
Nystatin is polyene antifungal containing a conjugated tetraene and a diene, isolated as a complex of three components A1, A2 and A3 from Streptomyces noursei and first reported in 1950. Nystatin is an established bioprobe and widely-used antifungal reagent with over 4,000 literature citations.

Nystatin A1 is soluble in DMF or DMSO, and moderately soluble in methanol or ethanol. Poor water solubility.

Mechanism of Action:
Nystatin, like most polyene antifungals, binds to sterols in the fungal cell membrane leading to formation of ion channels in the wall, ion imbalance and cell death.

References:


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