Product Name: Nystatin A1
Product Number: N044
CAS Number: 1400-61-9
Molecular Formula: C_{47}H_{75}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.

