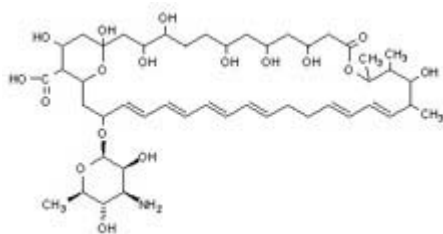


### Product Information Sheet

**N581**

**Nystatin**



Synonym: Fungicidin; Nistatina; Nystatinum

CAS: 1400-61-9

Formula: C<sub>47</sub>H<sub>75</sub>NO<sub>17</sub>

Molecular Wt: 926.12

#### Properties

Form: Powder

Appearance: Yellow to Tan Powder

Application: Plant Tissue Culture Antimycotic

Solubility: DMSO

Typical Working Concentration: 2.5 x 10<sup>5</sup> Units/L (approx 50 mg/L; See “Other Notes” below)

Different fungi may show different sensitivities to Nystatin. Therefore the optimal working concentration should be determined by a dose-response test. Likewise, different plant species may show different sensitivities to Nystatin.

Storage Temp: -20 to 0 °C

Storage Temp of Stock Solution: The Merck Index indicates that solutions and aqueous suspensions begin losing activity soon after preparation, especially at pH 2 and 9. Heat, light, and O<sub>2</sub> accelerate decomposition. For this reason, preparation of stock solutions is NOT recommended.

Other Notes: Consult certificate of analysis for lot-specific potency. Nystatin is typically used as an active suspension. The powder can be “wetted in DMSO” to sterilize it. Some powder may dissolve depending on the amount of each component. This can be diluted to the desired concentration with water or added directly to the medium.

#### Application Notes

Please Note: It is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

#### References

*The Merck Index*, 2001. **13**, # 6770. Merck & Co.

*Martindale: The Complete Drug Reference*, 2001. Pharmaceutical Press.

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