



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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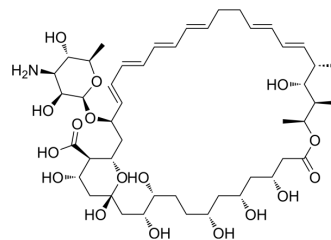
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## Nystatin (Standard)

<b>Cat. No.:</b>	HY-17409R
<b>CAS No.:</b>	1400-61-9
<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>75</sub> NO <sub>17</sub>
<b>Molecular Weight:</b>	926.09
<b>Target:</b>	Bacterial; Apoptosis; Fungal; Antibiotic
<b>Pathway:</b>	Anti-infection; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Nystatin (Standard) is the analytical standard of Nystatin. This product is intended for research and analytical applications. Nystatin is an orally active polyene antifungal antibiotic effective against yeast and mycoplasma. Nystatin increases the permeability of plasma membranes to small monovalent ions, including chloridion <sup>[1][2]</sup> . Nystatin is a cholesterol-sequestering agent <sup>[3]</sup> , partially prevents Oxaliplatin-induced lipid raft aggregation, DR4 and DR5 clustering, and thereby reduces apoptosis <sup>[5]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Anti-fungal <sup>[1]</sup>

### REFERENCES

- [1]. Ellepola AN, et al. Adhesion of oral *Candida* species to human buccal epithelial cells following brief exposure to nystatin. *Oral Microbiol Immunol.* 1999 Dec;14(6):358-63.
- [2]. Haas M, et al. Na-K-Cl cotransport in nystatin-treated tracheal cells: regulation by isoproterenol, apical UTP, and [Cl]<sup>-</sup>. *Am J Physiol.* 1994 May;266(5 Pt 1):C1440-52.
- [3]. Chen Y, et al. Cholesterol sequestration by nystatin enhances the uptake and activity of endostatin in endothelium via regulating distinct endocytic pathways. *Blood.* 2011 Jun 9;117(23):6392-403
- [4]. Wallace TL, et al. Activity of liposomal nystatin against disseminated *Aspergillus fumigatus* infection in neutropenic mice. *Antimicrob Agents Chemother.* 1997 Oct;41(10):2238-43
- [5]. Xu L, et al. Oxaliplatin enhances TRAIL-induced apoptosis in gastric cancer cells by CBL-regulated death receptor redistribution in lipid rafts. *FEBS Lett.* 2009 Mar 4;583(5):943-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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