

制霉菌素($\geq 4,400$ USP units per mg, BioReagent)

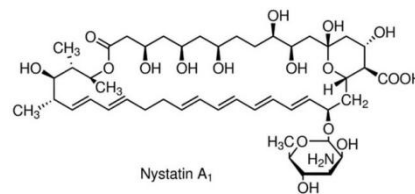
产品编号	产品名称	包装
ST2542-5MU	制霉菌素($\geq 4,400$ USP units per mg, BioReagent)	5MU
ST2542-25MU	制霉菌素($\geq 4,400$ USP units per mg, BioReagent)	25MU

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
1400-61-9	$C_{47}H_{75}NO_{17}$	926.09	$\geq 4,400$ USP units per mg	BioReagent

➤ 基本信息(General Information):

Name (Chinese)	制霉菌素
Name (English)	Nystatin
Specifications	BioReagent, $\geq 4,400$ USP units per mg, suitable for cell culture, powder
Chemical Formula	$C_{47}H_{75}NO_{17}$
Synonym (Chinese)	制霉菌素, 制霉素
Synonym (English)	Fungicidin; Mycostatin
Beilstein Registry No.	-
EINECS Number	215-749-0
MDL Number	MFCD25541651
UNSPSC Code	51101500



➤ 产品描述(Description):

Application	Nystatin has been used - <ul style="list-style-type: none"> • for the treatment of human macrophage cell line U937, to study the effect of nystatin on the production of IL-8 (interleukin 8) by silver nanoparticle-treated U937 cell line • to determine its effect on intracellular accumulatio
Biochem/physiol Actions	Studies in severely burned patients have shown that treatment with nystatin powder is effective for the treatment of massive angioinvasive fungal infection, without side-effects on wound healing.
Caution	ystatin in tissue culuture media is stable at 37°C for three days. It is also stable in moderately alkaline media. Solutions and aqueous suspensions begin to lose activity soon after preparation, with heat, light, and oxygen accelerating the decomposition
General Description	Chemical structure: polyene Nystatin is a polyene macrolide antifungal, which is a polyketide produced by <i>Streptomyces noursei</i> ATCC 11455. This antibiotic contains a macrolactone ring, and its natural synthesis is initiated with acetyl CoA, which is follo
Other Notes	Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Air and light sensitive. Keep in a dry place.
Preparation Note	Nystatin is soluble at 28°C in methanol (11.2 mg/mL), ethanol (1.2 mg/mL), carbon tetrachloride (1.23 mg/mL), chloroform (0.48 mg/mL), benzene (0.28 mg/mL), and ethylene glycol (8.75 mg/mL). It is also soluble in DMSO at 5 mg/mL and freely soluble in DMF

➤ 性质(Properties):

form	powder
potency	$\geq 4,400$ USP units per mg
application	cell culture mammalian: suitable
solubility	H ₂ O: insoluble
Mode of action	cell membrane interferes

antibiotic activity	fungi & yeast
storage temp.	-20°C

➤ **安全信息(Safety Information):**

Hazard Pictogram Codes	-
Signal Word	-
Hazard Statements	-
Precautionary Statements	-
Personal Protective Equipment	Eyeshields,, Gloves,, type N95 (US),
Hazard Codes (Europe)	-
Risk Codes (Europe)	-
Safety Codes (Europe)	-
RIDADR	NONH for all modes of transport
WGK Germany	2
RTECS	RF5950000
Flash Point (F)	-
Flash Point (C)	-

包装清单:

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ST2542-5MU	制霉菌素(≥4,400USP units per mg, BioReagent)	5MU
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—	说明书	1份

保存条件:

-20°C保存。

注意事项:

- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

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