

★ Storage

Store at -20 °C.

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- Product manual
- Cycloheximide, > 98% (by HPLC)

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★ Description

Cycloheximide is a glutarimide antibiotic and natural fungicide isolated from *Streptomyces griseus* and a protein synthesis inhibitor in eukaryotic cells. Cycloheximide was discovered by Alma Whiffen-Barksdale of Upjohn Company in 1946 and is now routinely used as a selection agent in several types of isolation media. In molecular biology, it can be used as an experimental tool to determine the half-life of a protein or to study protein synthesis and degradation.

Cycloheximide can also be used in protein expression studies, translational profiling and ribosome profiling.

★ Product Specification

CAS NO	66-81-9
Formular	$C_{15}H_{23}NO_4$
M.W	281.35
PURITY	≥ 98% (by HPLC)
Potency	≥ 950 ug/mg
Solubility	Soluble in chloroform; ethnol, methanol

★ Preparation for Stock Solution (5mg/ml)

1. In a laminar flow hood, dissolve 1g of Cycloheximide in 100 ml ethanol.
2. Add ethanol and adjust volume of solution to 200ml.
3. Filter by vaccum filtration.
4. Store at 4 °C.

★ Related Product

Product Name	Cat No
Gentamicin, 50mg/ml	CA003
G-418. Sulfate Solid	CR007
G-418. Sulfate, 100mg/ml, Sterile filtered Solution	CR008
Puromycin Solution, 10mg/ml, cell culture tested	CR026
iMfectin DNA Transfection Reagent	I7100
iMfectin Poly DNA Transfection Reagent	I7200
DMEM, High Glucose, without Sod Bicarbonate	CM001
DMEM, High Glucose, with Sod Bicarbonate	CM002
MEM with Earle's salt	CM041
RPMI-1640 with HEPES	CM058
RPMI-1640	CM059
Trypsin-EDTA(1X)	CA014
Trypsin-EDTA(10X)	CA015
Scrapase, Non-Animal Origin Dissociation Solution(1X)	CA110
Dispase Solution, 1mg/ml	CA092
Collagenase/Hyaluronidase(10X) in DMEM	CA094
Antibiotics-Antimycotics(100X)	CA002
Penicillin-Streptomycin(100X)	CA005
Dulbecco's Phosphate-Buffered Saline(DPBS)(1X)	CA008
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Ceracryo, Xeno-Free Cell Freezing Mediu	C0667
Water, 0.1um Filtered, Cell Culture Tested	W0900