Cycloheximide

Protein synthesis inhibitor

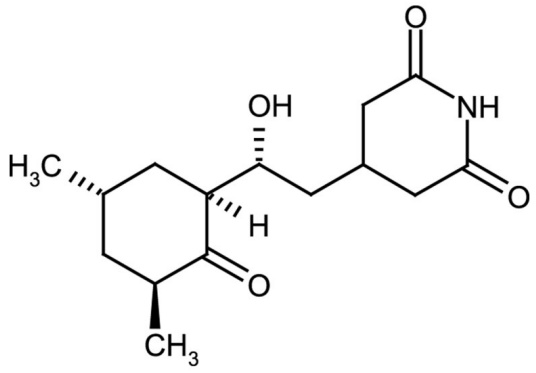
Antibiotic. Inhibits protein synthesis in eukaryotes by interfering with the translocation step. Induces apoptosis in tumor cell lines but can also delay or inhibit apoptosis induced by other agents. Widely used for selection of resistant strains of yeast and fungi, controlled inhibition of protein synthesis for detection of short-lived proteins and super-induction of protein expression. At 10µg/ml cycloheximide totally inhibits protein synthesis in mouse thymocytes.

Citations: 38 View Online »

Ordering Information Order Online »

ALX-380-269-G001	1g
ALX-380-269-G005	5g

Manuals, SDS & CofA View Online »


O
NH
OH
H3C
H
O
O
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature – Dangerous Good

Regulatory Status

RUO - Research Use Only

Product Details

Activity	Potency is >900units/mg.
Alternative Name	Actidione, Naramycin A, 3-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]glutarimide
Appearance	White to light yellow powder.
CAS	66-81-9
Formula	$C_{15}H_{23}NO_4$
MI	**14:** 2728
MW	281.3
Purity	≥90% (HPLC)
RTECS	MA4375000
Solubility	Soluble in acetone, chloroform, ethanol, and methanol. Nearly insoluble in water.
Source	Isolated from *Streptomyces griseus*.

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