Creative Enzymes®

Cycloheximide

Cat. No. CEI-0685

Lot. No. (See product label)

Introduction

Description	A very active antibiotic against many yeasts and fungi. Inhibits protein synthesis in eukaryotes (but not in prokaryotes) by interfering with the translocation step. It inhibits chain initiation as well as chain elongation by acting on the 60S subunit of the eukaryote ribosome, interacting directly with enzyme translocase. Cycloheximide is used as an inhibitor to study cell-free protein biosynthesis in eukaryotes and also used to block ribosome-dependent in vivo polypeptide synthesis. It induces apoptosis in a variety of cells, but can also delay or inhibit apoptosis by other agents.

Product Information

Appearance	Crystalline solid
CAS No.	66-81-9
Molecular Formula	$C_{15}H_{23}NO_4$
Chemical Name	3-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]glutarimide, Actidione, Naramycin A
Molecular Weight	490
Purity	>95% by NMR
Targets	SLC25A20
Solubility	DMSO

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack