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DATASHEET

Cycloheximide

Product overview

Name Cycloheximide Cat No HB2904

Alternative names CHX | Naramycin A

Applications Cell Culture, Selection Agent

Purity >95%

Description Eukaryotic protein synthesis inhibitor. Apoptosis inducer.

Biological Data

Biological description Widely-used eukaryotic protein synthesis inhibitor. Blocks the elongation phase of translation by

binding to the E-site of the 60S ribosomal subunit to block eEF2-mediated tRNA translocation.

Induces apoptosis in various cells but can also delay or inhibit apoptosis.

Also inhibits FKBP12 and shows potent antifungal and anti-mold activity.

Solubility & Handling

Storage instructions Solubility overview

Important

room temperature

Soluble in ethanol (50 mM) and water (25 mM)

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name 4-[2-(3,5-Dimethyl-2-oxo-cyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione

Molecular Weight

Chemical structure

InChikey YPHMISFOHDHNIV-FSZOTQKASA-N

281.35

MDL numberMFCD00082346AppearanceWhite to off-white