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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**

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

Storage instructions room temperature

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important 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 281.35

Chemical structure

InChiKey YPHMISFOHDHNIV-FSZOTQKASA-N

MDL numberMFCD00082346AppearanceWhite to off-white