

Catalog	Unit Size
TBS8112-01	1 mL
TBS8112-05	5 mL

Description

Tribio Cycloheximide (CHX) Solution (100 mg/mL in DMSO) is a high-concentration, ready-to-use solution for protein synthesis inhibition. Cycloheximide blocks translational elongation by interfering with ribosomal translocation in eukaryotic cells. This solution is prepared in sterile-filtered DMSO to ensure stability and ease of dilution for applications.

Application

- Inhibition of protein translation.
- Inhibition of caspase-8-dependent pathways.
- Selection of cycloheximide-resistant yeast and fungi.
- Apoptosis induction and facilitation via death receptor pathways (e.g., FasL).
- Detection of short-lived proteins.

Main Features

- Ready-to-use 100 mg/mL solution in DMSO.
- Strong and rapid inhibition of eukaryotic translation.
- Suitable for cell culture applications.
- Tested for CHO cell growth arrest.
- Reliable performance in apoptosis and protein stability studies.

Procedure

General Guidelines:

1. Thaw the solution to room temperature before use.
2. Mix gently to ensure homogeneity.
3. Dilute the desired working concentration in appropriate culture medium or suitable liquid.
4. Add directly to cultured cells or experimental system.
5. Incubate for the required time depending on assay type.
6. Dispose of waste according to institutional safety guidelines.

Note: Due to its potent translation inhibition activity, optimize concentration and exposure time for each experimental model.

Storage

Store at -20°C stable for 2 years.

Relative Products

TBS5003-0	1xPBS
TBS5048	2% BSA in PBS
TBS5049-2	2% BSA in TBST
TBS5049-5	5% BSA in TBST
TBS8024	MCF10 Cell Complete Medium
TBS8027	EMEM with L-Glutamine
TBS8030	McCoy's 5A Medium
TBS8031	30% BSA Solution in DPBS
TBS8047	MCF-7 Cell Complete Medium
TBS8056	LB Medium
TBS8057	SOB Medium
TBS8058	SOC Medium
TBS8059	2x YT Medium
TBS8060	Terrific Broth (TB) Medium
TBS8061	DMEM-high Glucose Medium
TBS8063	RPMI-1640 Medium
TBS8083	DMEM.F12, HEPES
TBS8085	0.05% Trypsin-EDTA (1x), Phenol Red in PBS
TBS8086	0.5% Trypsin-EDTA (10x) in PBS
TBS8087	0.25% Trypsin-EDTA (1x) in HBSS
TBS8203	RetroNectin (Recombinant Human Fibronectin Fragment)

This product is for research use only.