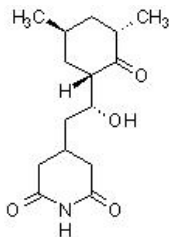


Product datasheet

Cycloheximide, Protein synthesis inhibitor ab120093

[24 References](#) [2 Images](#)

Overview

Product name	Cycloheximide, Protein synthesis inhibitor
Description	Protein synthesis inhibitor
Biological description	Protein synthesis inhibitor. Antifungal antibiotic.
CAS Number	66-81-9
Chemical structure	

Properties

Chemical name	3-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]glutarimide
Molecular weight	281.35
Molecular formula	C ₁₅ H ₂₃ NO ₄
PubChem identifier	6197
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 25 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>O=C2CC(C[C@@H](O)[C@@H]1C[C@@H](C)C[C@H](C)C1=O)CC(=O)N2</chem>
Source	Synthetic

Applications

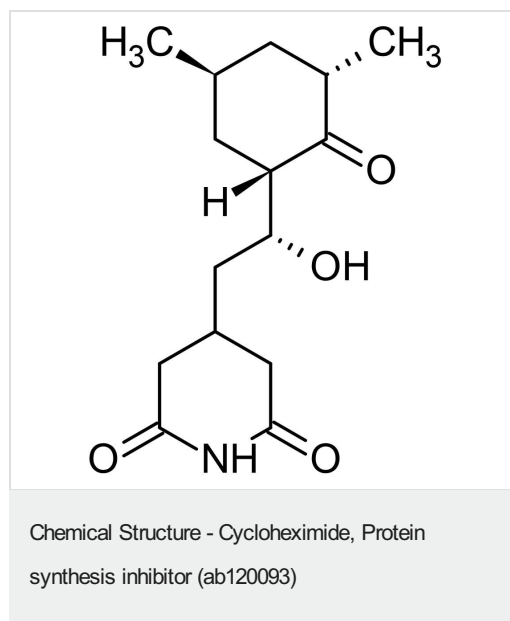
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120093 in the following tested applications.

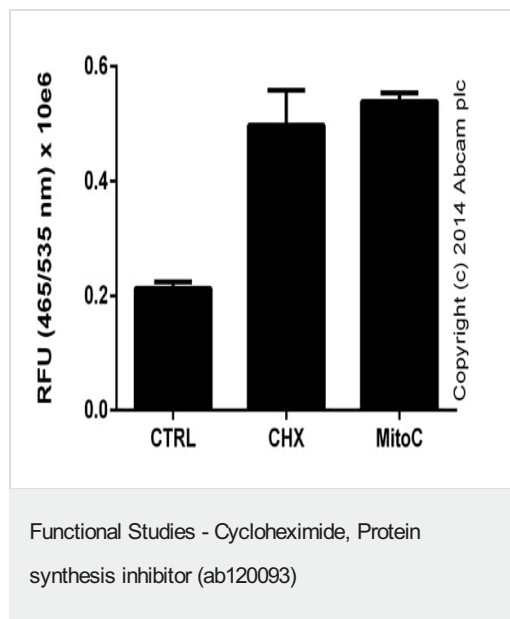
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab120093, Cycloheximide, Protein synthesis inhibitor



Functional assays: Caspase 8 (active) FITC Staining Kit (ab65614)

Active caspase 8 in control Jurkat cells (10e6/mL) or cells treated for five hours with 10 ug/mL Cyclohexamide (CHX) (ab120093) or four hours with 25 ug/mL Mitomycin C (MitoC) ([ab120797](#)).

Background signal subtracted, duplicates; +/- SD.

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