



Cycloheximide

cycloheximide is a strong inhibitor of protein synthesis which works on eukaryotic cells' ribosomes. By attaching itself to the 60S ribosomal subunit in eukaryotic cells, it prevents the growth of fungi. While some bacteria possess natural resistance, cycloheximide is not typically used for selective bacterial inhibition in culture media.

Cat. Number	AS-2038
CAS Number	66-81-9
MDL Number	MFCD00082346
PubChem	310270664
Molecular Weight	281.35 gr/mol
Molecular Formula	C ₁₅ H ₂₃ NO ₄
Storage Temperature	+4 °C
Form and Color	Crystalline Powder, White or Off-White
Identification	HPLC
Solubility	Soluble in chloroform, methanol and ethanol
Melting Point	112.0 - 121.0 °C
Specific Optical Rotation	-26 - -32 °
Impurities	≤ 2.0%
Residue on Ignition	≤ 0.2%
Water	≤ 0.3%
Potency	≥ 970µg/mg
Purity	≥ 98.0% (HPLC)