

Cycloheximide cryst. pure

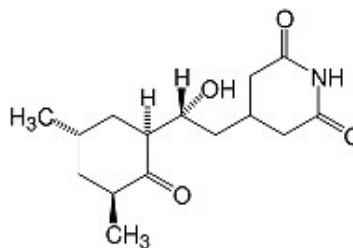
Pack Sizes Certificates of Analysis (Lot.-no. - release date)

Related Products

(Actidione®, ββ Dimethyl-2-oxocyclohexyl)-
2-hydroxyethyl]-glutarimide))

C₁₅H₂₃NO₄ • M_r 281.4 • CAS [66-81-9]

Glutarimide antibiotic isolated from *Streptomyces griseus*; active against fungi and yeasts, but not against bacteria. Inhibits eukaryotic protein synthesis by blocking the translocation step in the elongation cycle (1,3,8). Blocks translation of mRNA on cytosolic but not on mitochondrial or chloroplast ribosomes (2,4,6).



Assay (HPLC)	min. 90.0 %
MP	98 - 112 °C

Actidione = registered trademark of Upjohn.

References:

1. McKeehan, W. & Hardesty, B. (1969) *Biochem. Biophys. Res. Commun.* **36**, 625-30
2. Neupert, W. et al. (1969) *Eur. J. Biochem.* **10**, 589-91
3. Obrig, T.G. et al. (1971) *J. Biol. Chem.* **246**, 174-81
4. Avadhani, N.G. & Buetow, D.E. (1972) *Biochem. J.* **128**, 353-65
5. Jilek, F. et al. (2000) *Animal Reprod. Sci.* **63**, 101-11
6. Hanten, J.J. & Pierce, S.K. (2001) *Biol. Bull.* **201**, 34-44
7. Jin, S. et al. (2008) *Am. J. Physiol.* **294**, G928-37
8. Schneider-Poetsch, T. et al. (2010) *Nat. Chem. Biol.* **6**, 209-17

DANGER

Hazard Statements	<u>H300 - H341 - H360D - H411</u>
Precautions	<u>P201 - P264 - P273 - P281</u>
Reaction	<u>P301 +P310 - P330</u>

Muta. 2, Repr. 1B • EG-Index: 613-140-00-8 • GGVSE/ADR: 6.1 | UN2811 •

IATA: 6.1 | UN2811 • EINECS: 200-636-0 • WGK: 3L • HS: 29419000

Storage Temperature: +2 °C to +8 °C