

Tunicamycin from Streptomyces lysosuperificus

Cat: T8480

Specification: 1mg

Storage: Store desiccate at 2-8°C. For long term storage, store at -20°C

Product Information

CAS: 11089-65-9

English name: Tunicamycin from Streptomyces lysosuperificus

Appearance (Character): White to Off-White Solid

Molecular Formula: C₃₈H₆₂N₄O₁₆

Molecular Weight: 830.9

Solubility: DMSO: Clear Colorless Solution at 40mg/ml

Methanol: Clear Colorless Solution at 5mg/ml warm

Purity(HPLC): >98%(as a mixture of Tunicamycin A,B,C and D)

Provided as a mixture of Tunicamycin A(C14), B(C15), C(C16), and D(C17) homologs in the fatty acid chain.

Pharmacology: Potent inhibitor of GlcNAc phosphotransferase which thereby inhibits glycoproteinbiosynthesis. Causes endoplasmic reticulum stress-induced autophagy and unfolded protein response . Arrests cell cycle in late G1.

Warning: VERY TOXIC!

Caution : For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Note

1. Unless otherwise specified, the biochemical reagents produced by our company are generally non-sterile packaged. If they are to be used for cell experiments, please conduct pretreatment in advance.
2. Once dissolved, please store the solution in separate containers to avoid product degradation caused by repeated freezing and thawing.
3. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
4. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
5. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.