

CERTIFICATE OF ANALYSIS

PRODUCT:	Thiostrepton [Alaninamide; Bryamycin; Thiactin; EINECS 215-734-9] C₇₂H₈₅ N₁₉O₁₈S₅, M.W. 1664.89, CAS# [1393-48-2]
PRODUCT NUMBER:	T-1202
LOT NUMBER:	J1066
APPEARANCE:	White to Off-white powder
SOLUBILITY:	Soluble in DMSO (15mg/ml) & CHCl ₃ (5 mg/mL). <i>NOTE:</i> Working solution of 1% in DMSO is unstable and should be freshly prepared and protected from light.
PURITY (HPLC):	99.72% (Reverse phase, CH ₃ CN/H ₂ O)
PURITY (TLC):	> 99% (Silica gel, CH ₂ Cl/CH ₃ OH, 8:2)
POTENCY:	980 IU/gm
UV:	250, 280 nm (ethanol)
MELTING POINT:	245 - 250°C
PRODUCT INFORMATION:	From <i>Streptomyces azureus</i> . Elongation factor G inhibitor. Thiazole-containing peptide antibiotic. Inhibits protein synthesis by preventing binding of GTP to the 50S ribosomal subunit. Inhibits binding of elongation factor G (EF-G) and the dissociation of EF-G from the ribosome.
COUNTRY of ORIGIN:	Israel
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT & MOISTURE! CAUTION: For laboratory research & scientific manufacturing 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.

Verified: KLS