

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Thiostrepton</b> [Alaninamide; Bryamycin; Thiactin; EINECS 215-734-9] C <sub>72</sub> H <sub>85</sub> N <sub>19</sub> O <sub>18</sub> S <sub>5</sub> , M.W. 1664.89, CAS# [1393-48-2]
<b>PRODUCT NUMBER:</b>	T-1202
<b>LOT NUMBER:</b>	J1239
<b>APPEARANCE:</b>	White to Off-white powder
<b>SOLUBILITY:</b>	Soluble in DMSO (15mg/ml) & CHCl <sub>3</sub> (5 mg/mL). <b>NOTE:</b> Working solution of 1% in DMSO is unstable and should be freshly prepared and protected from light.
<b>PURITY (HPLC):</b>	99.72% (Reverse phase, CH <sub>3</sub> CN/H <sub>2</sub> O)
<b>PURITY (TLC):</b>	> 99% (Silica gel, CH <sub>2</sub> Cl/CH <sub>3</sub> OH, 8:2)
<b>POTENCY:</b>	980 IU/gm
<b>UV:</b>	250, 280 nm (ethanol)
<b>MELTING POINT:</b>	245 - 250°C
<b>PRODUCT INFORMATION:</b>	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.
<b>COUNTRY of ORIGIN:</b>	Israel
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. <b>PROTECT FROM LIGHT &amp; MOISTURE!</b> 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