

## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Puromycin . Dihydrochloride**  
[(S) 3'-( $\alpha$ -Amino-*p*-methoxyhydrocinnamamido)-3'-deoxy-N,N-dimethyladenosine . 2HCl], from *Streptomyces alboniger*  
C<sub>22</sub>H<sub>29</sub>N<sub>7</sub>O<sub>5</sub>•2HCl, M.W. 544.43, CAS# [58-58-2]

**PRODUCT NUMBER:** P-1033  
**LOT NUMBER:** J1006C  
**APPEARANCE:** White to off-white powder

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
<b>IDENTIFICATION:</b>	Positive	Conforms
<b>SOLUBILITY:</b>	Clear and colorless or light yellow solution (50mg/mL in H <sub>2</sub> O)	Clear and colorless solution
<b>MELTING POINT:</b>	168 - 182°C	178°C
<b>WATER:</b>	≤ 12.0%	6.2%
<b>PURITY (TLC):</b> <small>Detection spray with H<sub>2</sub>SO<sub>4</sub> and heat</small>	(NP, CH <sub>2</sub> Cl <sub>2</sub> , methanol 7:3) (RP C18, methanol, H <sub>2</sub> O 9:1)	> 99% > 99%
<b>PURITY (HPLC):</b>	≥ 98.0%	99.39%

**DESCRIPTION / ORIGIN:** From Non-Animal - *Streptomyces alboniger*. Puromycin is a protein synthesis inhibitor. It causes premature chain termination or is a broad spectrum ribosomal chain terminating antibiotic.

**COUNTRY of ORIGIN:** Israel

**STORAGE & HANDLING:** Store desiccated at -20°C. **PROTECT FROM MOISTURE!**

**WARNING: HARMFUL!**

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.

Verified: KLS