

CERTIFICATE OF ANALYSIS

PRODUCT: **Puromycin . Dihydrochloride**
[(S) 3'-(α -Amino-*p*-methoxyhydrocinnamamido)-3'-deoxy-N,N-dimethyladenosine . 2HCl], from *Streptomyces alboniger*
C₂₂H₂₉N₇O₅•2HCl, M.W. 544.43, CAS# [58-58-2]

PRODUCT NUMBER: P-1033
LOT NUMBER: J1006D
APPEARANCE: White to off-white powder

	<u>SPECIFICATIONS:</u>	<u>RESULTS:</u>
IDENTIFICATION:	Positive	Conforms
SOLUBILITY:	Clear and colorless or light yellow solution (50mg/mL in H ₂ O)	Clear and colorless solution
MELTING POINT:	168 - 182°C	178°C
WATER:	≤ 12.0%	6.2%
PURITY (TLC): <small>Detection spray with H₂SO₄ and heat</small>	(NP, CH ₂ Cl ₂ , methanol 7:3) (RP C18, methanol, H ₂ O 9:1)	> 99% > 99%
PURITY (HPLC):	≥ 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