

## PUROMYCIN DIHYDROCHLORIDE

*[3'(A-AMINO-P-METHOXYHYDROCINNAMAMIDO)-3'DEOXY-N,N-DIMETHYLADENOSINE.2HCL]*

**Catalogue No:** 400-160-\*\*

**Shipping:** Frozen

**Lot No:** 400160038

**Storage:** Powder should be store at -20°C.

**Exp date:** 11/2026

**Formula:** C<sub>22</sub>H<sub>29</sub>N<sub>7</sub>O<sub>5</sub>•2HCl

**MSDS:** Available upon request

**Formula Weight:** 544.43

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	White to off-white powder		White to off-white powder
Purity	>98.0	%	99.05
Country of origin			ISRAEL
Solubility	Clear and colorless solution or light yellow solution  (50mg/mL H <sub>2</sub> O)		Clear and colorless solution  (50mg/mL H <sub>2</sub> O)
Melting point	168 - 182	°C	176-180
Water	≤ 12.0	%	6.2

*Caution: This material is hazardous! Only trained personnel should handle this product.*

### ADDITIONAL INFORMATION:

**PREPARATION:** Puromycin Dihydrochloride is a selection antibiotic used for the selection and the maintenance of eukaryotic cells transfected with the *pac* gene encoding puromycin-*N*-acetyl-transferase. The effective killing concentration of this antibiotic will vary with the cell type, media, growth conditions, density, and the cell's metabolic rate and position in the cell cycle. Effective concentrations have been reported from 0.5µg/mL to 10µg/mL. When using Puromycin Dihydrochloride in a new cell system, a full dose curve is suggested, and with each new lot of Puromycin Dihydrochloride several points on that curve should be retested, as the potency may not exactly correlate to your system.