WISENT BIOPRODUCTS

CERTIFICATE OF ANALYSIS

PUROMYCIN DIHYDROCHLORIDE, *SOLUTION 10 MG/ML*

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

Catalogue No: 450-162-**

Lot No: 450162060

Exp. Date: 12/2027

MSDS: Available upon request

Shipping: Frozen on dry ice

Storage: Store frozen at -20°C.

Formula: $C_{22}H_{29}N_7O_5 \bullet 2HCl$

Formula Weight: 544.5

TEST	SPECIFICATION	UNITS	RESULTS
Appearance	Clear colorless to yellow liquid	NA	Clear yellow liquid
Sterility by USP	Pass	NA	Pass
pH	INFO	NA	2.59
Osmolality	INFO	mOsm/Kg water	53
Solubility	(10mg/mL H_2O)	NA	Conform

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.