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Product Specification

Product Name:

Puromycin dihydrochloride from *Streptomyces alboniger* – powder, BioReagent, suitable for cell culture

Product Number:

P8833

CAS Number:

58-58-2

Formula:

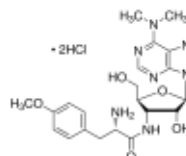
C₂₂H₂₉N₇O₅ · 2HCl

Formula Weight:

544.43 g/mol

Storage Temperature:

-20 °C



TEST	Specification
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Appearance (Form)	Powder
Appearance (Colour)	White to White w/ Yellow Cast
Solubility (Solvent)	Water
Solubility (Conc)	49.00 - 51.00 mg/ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
Water (by Karl Fischer)	≤ 12.00 %
Elemental Anal. (%C anhydrous)	47.60 - 49.50 %
Elemental Anal. (%N anhydrous)	17.60 - 18.40 %
NMR (Solvent)	D ₂ O
Identity by NMR	Consistent
NMR (Residual Solvent 1)	Methanol
NMR (% Solvent 1)	≤ 4.00 %
NMR (Residual Solvent 2)	Acetone
NMR (% Solvent 2)	≤ 4.00 %
NMR (Total % Resid.Solvents)	≤ 4.00 %
Cell Culture (Suitability)	Pass
Purity (HPLC)	≥ 98.00 %
Recommended Retest Period	-----
4 Years	

Specification: PRE.4.ZQ5.10000001159

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.