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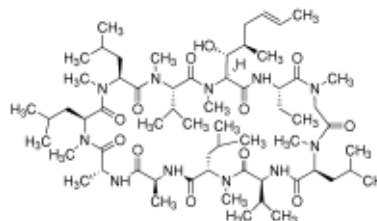
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Product Specification

Product Name:
Cyclosporin A - from Tolypocladium inflatum, ≥95% (HPLC), solid

Product Number: **C3662**
CAS Number: 59865-13-3

Formula: C₆₂H₁₁₁N₁₁O₁₂
Formula Weight: 1,202 AMU



TEST	Specification
Appearance (Form)	Powder
Appearance (Colour)	White to Off-White
Solubility (Solvent)	Dichloromethane
Solubility (Conc)	9.80 - 10.20 mg/ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
Water (by Karl Fischer)	≤ 5.00 %
Elemental Anal. (%C anhydrous)	61.42 - 62.42 %
Elemental Anal. (%N anhydrous)	12.31 - 13.31 %
Purity (HPLC)	≥ 95.00 %
NMR (Solvent)	CDCl ₃
Identity by NMR	Consistent
NMR (Residual Solvent 1)	Dichloromethane
NMR (% Solvent 1)	≤ 3.00 %
NMR (Residual Solvent 2)	Hexane
NMR (% Solvent 2)	≤ 0.50 %
NMR (Total % Resid.Solvents)	≤ 3.50 %
Initial Melting Point	≥ 148 °C
Final Melting Point	≤ 152 °C
Recommended Retest Period	-----
2 Years	

Specification: PRE.0.ZQ5.10000001239

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.