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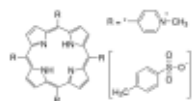
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## Product Specification

Product Name:  
5,10,15,20-Tetrakis(1-methyl-4-pyridinio)porphyrin tetra(p-toluenesulfonate) - Dye content 97 %

**Product Number:** 323497  
**CAS Number:** 36951-72-1  
**MDL:** MFCD00013468  
**Formula:** C72H66N8O12S4  
**Formula Weight:** 1,363.6 g/mol



TEST	Specification
Appearance (Color)	Purple to Very Dark Purple
Appearance (Form)	Powder
Infrared spectrum	Conforms to Structure
Wavelength	516 - 520 nm
Extinction Coefficient	≥ 14500
Wavelength	419 - 423 nm
Extinction Coefficient	≥ 220000
Wavelength	259 - 263 nm
Extinction Coefficient	≥ 23000
Wavelength	218 - 222 nm
Extinction Coefficient	≥ 65000
c = 0.008 g/L, H2O	
Carbon	61.2 - 65.6 %
Nitrogen	7.9 - 8.5 %

Specification: PRD.0.ZQ5.10000042104

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](http://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.