

Certificate of Analysis

IUPAC Protoporphyrin IX dimethyl ester

Molecular Weight590.73Molecular FormulaC36H38N4O4Physical StateSolidStorage-20 °C

Expiration Date One year from date of receipt

Lot Number BB 0280055

Analysis	Specification	Result
Physical Examination	White Solid	PASS
TLC	Ninhydrin: positive Iodine: one major spot	PASS
Chemical Purity (HPLC)	>95%	PASS
Mass Spectroscopy	$[M+H]^+ = 590.73 \pm 1 \text{ amu}$	$[M-t-Bu]^+ = 590.90$
¹ H NMR	Consistent with structure	PASS

Approved by The Head of Quality Assurance Department:

