

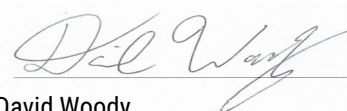


IPG-4 TMA⁺ Salt

Lot 10717a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity ¹	≥ 90%	92.7%
Molecular Ion ²	<i>Common Peaks</i> 1116.4 ± 0.5 m/z [M+H] ⁺ 558.7 ± 0.5 m/z [M+2H] ²⁺	<i>Detected Peaks</i> 1116.7 m/z 559.0 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
UV-Visible λ _{max} ³	519 ± 3 nm	519 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer	
Excitation λ _{max} ³ Emission λ _{max}	520 ± 3 nm 545 ± 3 nm	523nm 546 nm
¹H NMR Spectrum	Bruker Avance 400	
Peaks and Integrations	Conforms to Structure	Conforms
In Vitro Assay	BioTek Cytation 5 Cell Imaging Multi-mode Reader	
F _{Stimulus} / F _{Control} in a relevant biological buffer solution	To Pass Test	Passes

¹Column: Phenomenex 00D-4251-E0 Luna C₁₈, 4.6 x 100 mm, 3 μm, UV-Vis Diode Array Detector: 254 nm; ²Single Quad MS Detector: ESI Positive; ³Solvent: High Potassium Buffer (140 mM KCl, 10 mM MOPS, pH 7.2)



David Woody

Quality Manager

3 Aug 2025