

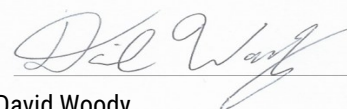


## IPG-4 TMA<sup>+</sup> Salt

Lot 10714a

Method	Specification	Analysis
<b>LCMS</b>	<b>Agilent 1220 Infinity II</b>	
Purity <sup>1</sup>	≥ 90%	91.3%
Molecular Ion <sup>2</sup>	<i>Common Peaks</i> 1116.4 ± 0.5 m/z [M+H] <sup>+</sup> 558.7 ± 0.5 m/z [M+2H] <sup>2+</sup>	<i>Detected Peaks</i> 1116.7 m/z 559.0 m/z
<b>Absorbance Spectrum</b>	<b>Agilent Cary 60 UV-VIS Spectrophotometer</b>	
UV-Visible λ <sub>max</sub> <sup>3</sup>	519 ± 3 nm	519 nm
<b>Fluorescence Spectrum</b>	<b>Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer</b>	
Excitation λ <sub>max</sub> <sup>3</sup> Emission λ <sub>max</sub>	520 ± 3 nm 545 ± 3 nm	520nm 544 nm
<b><sup>1</sup>H NMR Spectrum</b>	<b>Bruker Avance 400</b>	
Peaks and Integrations	Conforms to Structure	Conforms
<b>In Vitro Assay</b>	<b>BioTek Cytation 5 Cell Imaging Multi-mode Reader</b>	
F <sub>Stimulus</sub> / F <sub>Control</sub> in a relevant biological buffer solution	To Pass Test	Passes

<sup>1</sup>Column: Phenomenex 00D-4251-E0 Luna C<sub>18</sub>, 4.6 x 100 mm, 3 μm, UV-Vis Diode Array Detector: 254 nm; <sup>2</sup>Single Quad MS Detector: ESI Positive; <sup>3</sup>Solvent: High Potassium Buffer (140 mM KCl, 10 mM MOPS, pH 7.2)



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Quality Manager

6 Aug 2025