

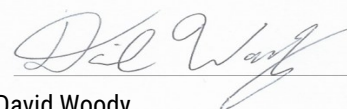


## IPG-4 AM

Lot 10714a

Method	Specification	Analysis
<b>LCMS</b>	<b>Agilent 1220 Infinity II</b>	
Purity <sup>1</sup>	≥ 90%	94.5%
Molecular Ion <sup>2</sup>	<i>Common Peaks</i> 1132.5 ± 0.5 m/z [M+H] <sup>+</sup> 666.7 ± 0.5 m/z [M+2H] <sup>2+</sup>	<i>Detected Peaks</i> 1132.8 m/z 667.1 m/z
<b>Absorbance Spectrum</b>	<b>Agilent Cary 60 UV-VIS Spectrophotometer</b>	
UV-Visible $\lambda_{\max}$ <sup>3</sup>	519 ± 3 nm	519 nm
<b>Fluorescence Spectrum</b>	<b>Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer</b>	
Excitation $\lambda_{\max}$ <sup>3</sup> Emission $\lambda_{\max}$	520 ± 3 nm 545 ± 3 nm	520 nm 544 nm
<b><sup>1</sup>H NMR Spectrum</b>	<b>Bruker Avance 400</b>	
Peaks and Integrations	Conforms to Structure	Conforms
<b>Cell Assay</b>	<b>BioTek Cytation 5 Cell Imaging Multi-mode Reader</b>	
F/F <sub>0</sub> post-stimulus in relevant biological assay	To Pass Test	Passes
Imaging Analysis	Observed fluorescence is intracellular with minimal extracellular fluorescence	Passes

<sup>1</sup>Column: Phenomenex 00D-4251-E0 Luna C<sub>18</sub>, 4.6 x 100 mm, 3  $\mu$ m, UV-Vis Diode Array Detector: 254 nm; <sup>2</sup>Single Quad MS Detector: ESI Positive; <sup>3</sup>Solvent: 140mM KCl in 10 mM MOPS pH 7.2, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data



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Quality Manager

6 Aug 2025