



## IPG-4 AM

Lot 10515a

Method	Specification	Analysis
<b>LCMS</b>	<b>Agilent 1220 Infinity II</b>	
Purity*	≥ 90%	91.3%
Molecular Ion	<i>Common Peaks</i> 1332.47 ± 0.5 m/z (MH <sup>+</sup> ) 1355.45 ± 0.5 m/z (MNa <sup>+</sup> ) 666.74 ± 0.5 m/z (MH <sub>2</sub> <sup>2+</sup> )	<i>Detected Peaks</i> 1332.8 m/z 1354.9 m/z 667.1 m/z
<b>Absorbance Spectrum</b>	<b>Agilent Cary 60 UV-VIS Spectrophotometer</b>	
Longest-Wavelength Absorbance Maximum**	520 ± 3 nm	519 nm
<b>Fluorescence Spectrum</b>	<b>Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer</b>	
Excitation Max.; Emission Max.**	517 ± 3 nm; 541 ± 3 nm	518.5 nm; 542.5 nm
<b><sup>1</sup>H NMR Spectrum</b>	<b>Bruker Avance 400</b>	
Peaks and Integrations	Only relevant product peaks — with appropriate chemical shifts and peak integrations — and solvent peaks present	Confirmed
<b>Cell Assay</b>	<b>BioTek Cytation 5 Imaging Reader</b>	
F/F <sub>0, Ctrl</sub> - F/F <sub>0, Stim</sub> post-stimulus in relevant biological assay	≥ 0.60	0.67

\*Column: Agilent Infinity Lab Poroshell 120 ECC18, 3.0 x 50 mm, 2.7 μm C<sub>18</sub>, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; \*\*solvent: 140 mM KCl, 10 mM MOPS, pH 7.2

Approved by P. Rogelio Escamilla May 2023