



## IPG-1 AM

Lot 10318a

Method	Specification	Analysis
<b>LCMS</b>	<b>Agilent 1220 Infinity II</b>	
Purity*	≥ 90%	92.8%
Molecular Ion	<i>Common Peaks</i> 1141.34 ± 0.5 m/z (MH <sup>+</sup> ) 1164.32 ± 0.5 m/z (MNa <sup>+</sup> ) 571.18 ± 0.5 m/z (MH <sub>2</sub> <sup>2+</sup> )	<i>Detected Peaks</i> 1141.02 m/z <i>Not Detected</i> 571.01 m/z
<b>Absorbance Spectrum</b>	<b>Agilent Cary 60 UV-VIS Spectrophotometer</b>	
Longest-Wavelength Absorbance Maximum**	472 ± 3 nm	471 nm
<b>Fluorescence Spectrum</b>	<b>Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer</b>	
Excitation Max.; Emission Max.**	525 ± 3 nm; 545 ± 3 nm	525 nm; 545 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	≥ 0.47	0.48

\*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: MeOH

Approved by P. Rogelio Escamilla Mar 2021