



IPG-4 AM

Lot 10114a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	90.6%
Molecular Ion	<i>Common Peaks</i> 1332.47 ± 0.5 m/z (MH ⁺) 1355.45 ± 0.5 m/z (MNa ⁺) 666.74 ± 0.5 m/z (MH ₂ ²⁺)	<i>Detected Peaks</i> 1332.9 m/z 1354.9 m/z 667.2 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	469 ± 3 nm	471 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	525 ± 3 nm; 545 ± 3 nm	525 nm; 545 nm
¹H NMR Spectrum	Bruker Avance 400	
Peaks and Integrations	Only relevant product peaks — with appropriate chemical shifts and peak integrations — and solvent peaks present	Confirmed
Cell Assay	BioTek Cytation 5 Imaging Reader	
F/F _{0, Ctrl} - F/F _{0, Stim} 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 C₁₈, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: MeOH

Approved by P. Rogelio Escamilla Apr 2019