



IPG-2 AM

Lot 10518a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	90.9%
Molecular Ion	<i>Common Peaks</i> 1127.36 ± 0.5 m/z (MH ⁺) 1149.34 ± 0.5 m/z (MNa ⁺) 564.19 ± 0.5 m/z (MH ₂ ²⁺)	<i>Detected Peaks</i> 1127.4 m/z 1149.3 m/z 564.2 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	517 ± 3 nm	518 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	517 ± 3 nm; 540 ± 3 nm	515.6 nm; 538 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	≥ 0.26	0.28

*Column: Agilent Infinity Lab Poroshell 120 ECC18, 3.0 x 150 mm, 2.7 μm C₁₈, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: 140mM KCl in 10 mM MOPS, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data

Approved by P. Rogelio Escamilla Aug 2023