



PBFI AM

Lot # 10321a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	94.8%
Molecular Ion	1171.38 ± 0.5 m/z (MH ⁺) 586.19 ± 0.5 m/z (MH ₂ ²⁺) 1193.36 ± 0.5 amu (MNa ⁺)	1171.4 m/z 586.2 m/z Not Detected
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	336 ± 3 nm	337 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	338 ± 3 nm, 490 ± 3 nm	337 nm, 493 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	≥ 0.20	0.24

*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: 140 mM KCl, 10 mM MOPS, pH 7.2

Approved by P. Rogelio Escamilla Jun 2023