



Fluo-3 K⁺ Salt Lot 10114a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	98.13%
Molecular Ion (Acid Form)	<i>Common Peaks</i> 769.12 ± 0.5 m/z (MH ⁺) 791.10 ± 0.5 m/z (MNa ⁺) 385.07 ± 0.5 m/z (MH ₂ ²⁺)	<i>Detected Peaks</i> 769.40 m/z 791.50 m/z 385.50 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	505 ± 3 nm	506
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	506 ± 3 nm; 526 ± 3 nm	506 nm; 525 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
In Vitro Assay	BioTek Cytation 5 Imaging Reader	
F _{Stim} / F _{Ctrl} in relevant buffer solution assay	≥ 123.8	147.0

*Column: Agilent Infinity Lab Poroshell 120 EC-C18, 3.0 x 150 mm, 2.7 μm, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: High-Calcium Buffer

Approved by P. Rogelio Escamilla Apr 2019