

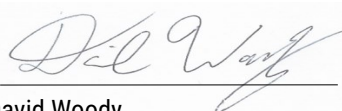


Fluo-4 AM

Lot 10618a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity ¹	≥ 95%	97.6 %
Molecular Ion ²	<i>Common Peaks</i> 1097.28 ± 0.5 m/z [M+H] ⁺ 549.14 ± 0.5 m/z [M+2H] ²⁺	<i>Detected Peaks</i> 1097.60 m/z 549.50 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
UV-Visible λ _{max} ³	494 ± 3 nm	494 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation λ _{max} ³ Emission λ _{max}	494 ± 3 nm 516 ± 3 nm	493 nm 516 nm
¹H NMR Spectrum	Bruker Avance 400	
Peaks and Integrations	Conforms to Structure	Conforms
Cell Assay	FlexStation 3 Multi-Mode Microplate Reader	
F/F ₀ post-stimulus in relevant biological assay	≥ 3.30	4.43

¹Column: Phenomenex 00d-4251-E0 Luna C₁₈, 4.6 x 100 mm, 100Å, 3 μm, UV-Vis Diode Array Detector: 254 nm; ²Single Quad MS Detector: ESI Positive; ³Solvent: 10 mM CaEGTA, 100 mM KCl, 10mM MOPS, pH 7.2, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data



David Woody

Quality Manager

21 Sep 2024