

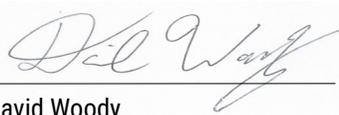


Fluo-4 AM Ultrapure

Lot 10720a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity ¹	> 98%	98.6 %
Molecular Ion ²	<i>Common Peaks</i> 1097.3 ± 0.5 m/z [M+H] ⁺ 549.2 ± 0.5 m/z [M+2H] ²⁺	<i>Detected Peaks</i> 1097.6 m/z 549.5 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 Plus Spectrofluorometer	
Excitation λ_{\max} ³ Emission λ_{\max}	494 ± 3 nm 516 ± 3 nm	494 nm 517 nm
¹H NMR Spectrum	Bruker Avance 400	
Peaks and Integrations	Conforms to Structure	Conforms
Cell Assay	FlexStation 3 Multi-Mode Microplate Reader and BioTek Cytation 5 Multimode Imaging Plate Reader	
F/F ₀ post-stimulus in relevant biological assay	To Pass Test	Passes
Imaging Analysis	Observed fluorescence is intracellular with minimal extracellular fluorescence	Passes

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



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Quality Manager

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