ION BIOSCIENCES

Certificate of Analysis

Thallos AM

Lot 10814b

Method	Specification	Analysis
LCMS	**Agilent 1220 Infinity II**	
Purity[1]	≥ 95%	97.20%
Molecular Ion[2]	*Common Peaks* 841.2 ± 0.5 m/z $[M+H]^+$	*Detected Peaks* 841.4 m/z
Absorbance Spectrum	**Agilent Cary 60 UV-VIS Spectrophotometer**	
UV-Visible λ_{max} [3]	495 ± 3 nm	495 nm
Fluorescence Spectrum	**Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer**	
Excitation λ_{max} [3] Emission λ_{max}	494 ± 3 nm 524 ± 3 nm	493 nm 524 nm
^{1}H NMR Spectrum	**Bruker Avance 400**	
Peaks and Integrations	Conforms to Structure	Conforms
Cell Assay	**BioTek Cytation 5 Cell Imaging Multi-mode 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

[1]Column: Phenomenex 00d-4251-E0 Luna C_{18}, 4.6 x 100 mm, 100Å, 3 µm , UV-Vis Diode Array Detector: 254 nm; [2]Single Quad MS Detector: ESI Positive; [3]Solvent: PBS, pH 7.4, with 1.5 mM Tl_2SO_4, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data

Taylor McNair

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Quality Supervisor 13 May 2026