

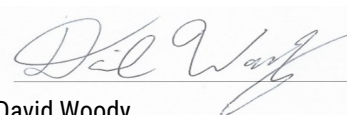


ING-2 AM

Lot 10718a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity ¹	≥ 95%	95.8%
Molecular Ion ²	<i>Common Peaks</i> 1083.3 ± 0.5 m/z [M+H] ⁺ 542.2 ± 0.5 m/z [M+2H] ²⁺	<i>Detected Peaks</i> 1083.6 m/z 542.5 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
UV-Visible $\lambda_{\max}$ ³	517 ± 3 nm	518nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer	
Excitation $\lambda_{\max}$ ³ Emission $\lambda_{\max}$	517 ± 3 nm 540 ± 3 nm	518 nm 542 nm
¹H 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 ⁴	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, 3 μ m, UV-Vis Diode Array Detector: 254 nm; ²Single Quad MS Detector: ESI Positive; ³Solvent: 140mM NaCl in 10 mM MOPS pH 7.2, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data; ⁴Biological assay used to evaluate performance: Brilliant Sodium 2 Assay.



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