



Thallos Gold AM

Lot 10417a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 95%	95.6 %
Molecular Ion	826.24 ± 0.5 m/z (MH ⁺) 848.23 ± 0.5 m/z (MNa ⁺) 413.63 ± 0.5 m/z (MH ₂ ²⁺)	825.2 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	521 ± 3 nm	522 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	520 ± 3 nm; 554 ± 3 nm	522 nm; 554 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
Cell Assay	BioTek Cytation 5 Imaging Reader	
F/F ₀ post-stimulus in relevant biological assay	≥ 1.3	1.3

*Column: Agilent Infinity Lab Poroshell 120 ECC18, 30 x 50 mm, 2.7 μm C₁₈, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: The AM form was hydrolyzed with KOH in MeOH and water prior to diluting at least 20-fold into 140mM KCl, 10mM MOPS, pH 7.2

Approved by P. Rogelio Escamilla Sep 2021