



ION Thallos-HTL

Lot 10616a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	93.2 %
Molecular Ion	1171.35 ± 0.5 m/z (MH ⁺) 1193.34 ± 0.5 m/z (MNa ⁺) 586.18 ± 0.5 m/z (MH ₂ ²⁺)	1171.7 m/z Not Detected 586.5 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	495 ± 3 nm	495 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	492 ± 3 nm; 521 ± 3 nm	491 nm; 520 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

*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: PBS, 100 mM KOH, 1.5 mM Ti₂SO₄ (AM esters hydrolyzed prior to acquisition)



Andrew Vergote
 Quality Manager

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