



ING-2 TMA⁺ Salt Lot 10511a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	92.0 %
Molecular Ion (Acid Form)	<i>Common Peaks</i> 867.27 ± 0.5 m/z (MH ⁺) 889.25 ± 0.5 m/z (MNa ⁺) 434.14 ± 0.5 m/z (MH ₂ ²⁺)	<i>Detected Peaks</i> 867.50 m/z <i>Not Detected</i> 434.30 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	517 ± 3 nm	517 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	517 ± 3 nm; 540 ± 3 nm	516 nm; 539 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
In Vitro Assay	BioTek Cytation 5 Imaging Reader	
F _{Stim} / F _{Ctrl} in relevant buffer solution assay	≥ 21.9	28.13

*Column: Agilent Infinity Lab Poroshell 120 EC-C18, 3.0 x 150 mm, 2.7 μm, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: 140mM NaCl in MOPS

Approved by P. Rogelio Escamilla Jan 2023