



IPG-4 TMA⁺ Salt

Lot 10112a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	92.8%
Molecular Ion	<i>Common Peaks</i> 1116.40 ± 0.5 m/z (MH ⁺) 1138.38 ± 0.5 m/z (MNa ⁺) 558.71 ± 0.5 m/z (MH ₂ ²⁺)	<i>Detected Peaks</i> 1116.8 m/z Not Detected Not Detected
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	524 ± 3 nm	525 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	525 ± 3 nm; 545 ± 3 nm	525 nm; 546 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	≥ 6.31	7.17

*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: MeOH

Approved by P. Rogelio Escamilla Sep 2019

Reanalyzed Apr 2022