



SBFI K⁺ Salt

Lot 10613a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	93.3 %
Molecular Ion	839.26 ± 0.5 m/z (MH ⁺) 861.26 ± 0.5 m/z (MNa ⁺) 420.13 ± 0.5 m/z (MH ₂ ²⁺)	839.5 m/z Not Detected 420.4 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	333 ± 3 nm	333 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	333 ± 3 nm, 513 ± 3 nm	333 nm; 513 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	≥ 1.8	1.96

*Column: Agilent Infinity Lab Poroshell 120 ECC18, 3.0 x 50 mm, 2.7 μm C₁₈, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: 140 mM NaCl, 10 mM MOPS, pH 7.2



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22 May 2024