



SBFI AM

Lot 10221a

| Method | Specification | Analysis |
|---|---|---|
| LCMS | Agilent 1220 Infinity II | |
| Purity* | ≥ 90% | 92.5 % |
| Molecular Ion | <i>Common Peaks</i> 1127.35 ± 0.5 m/z (MH ⁺) 1149.33 ± 0.5 m/z (MNa ⁺) 564.18 ± 0.5 m/z (MH ₂ ²⁺) | <i>Detected Peaks</i> 1127.7 m/z <i>Not Detected</i> 564.6 m/z |
| Absorbance Spectrum | Agilent Cary 60 UV-VIS Spectrophotometer | |
| Longest-Wavelength Absorbance Maximum** | 333 ± 3 nm | 334 nm |
| Fluorescence Spectrum | Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer | |
| Excitation Max.; Emission Max.** | 333 ± 3 nm; 516 ± 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, Stim} - F/F _{0, Ctrl} post-stimulus in relevant biological assay | ≥ 0.05 | 0.11 |
| *Column: Agilent Infinity Lab Poroshell 120 EC-C18, 3.0 x 150 mm, 2.7 μm, UV-Vis Diode Array Detector: 254 nm, Single Positive; **solvent: 140mM NaCl in MOPS, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data | | Quad MS Detector: ESI |

Approved by P. Rogelio Escamilla Mar 2022