



IPG-2 AM

Lot 10517a

| Method | Specification | Analysis |
|--|---|--|
| LCMS | Agilent 1220 Infinity II | |
| Purity* | ≥ 90% | 92.3% |
| Molecular Ion | <i>Common Peaks</i> 1127.36 ± 0.5 m/z (MH ⁺) 1149.34 ± 0.5 m/z (MNa ⁺) 564.19 ± 0.5 m/z (MH ₂ ²⁺) | <i>Detected Peaks</i> 1127.7 m/z 1149.6 m/z 564.6 m/z |
| Absorbance Spectrum | Agilent Cary 60 UV-VIS Spectrophotometer | |
| Longest-Wavelength Absorbance Maximum** | 517 ± 3 nm | 518 nm |
| Fluorescence Spectrum | Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer | |
| Excitation Max.; Emission Max.** | 517 ± 3 nm; 540 ± 3 nm | 515.6 nm; 537.5 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, Ctrl} - F/F _{0, Stim} post-stimulus in relevant biological assay | ≥ 0.26 | 0.27 |

*Column: Agilent Infinity Lab Poroshell 120 ECC18, 3.0 x 150 mm, 2.7 μm C₁₈, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: 140mM KCl in MOPS, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data

Approved by P. Rogelio Escamilla Aug 2023