



ING-2 AM

Lot 10216a

Method	Specification	Analysis
LCMS	Agilent 1220 Infinity II	
Purity*	≥ 90%	90.6 %
Molecular Ion	1083.33 ± 0.5 m/z (MH ⁺) 542.17 ± 0.5 m/z (MH ₂ ²⁺)	1083.6 m/z 542.5 m/z
Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer	
Longest-Wavelength Absorbance Maximum**	469 ± 3 nm	470 nm
Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Excitation Max.; Emission Max.**	525 ± 3 nm; 545 ± 3 nm	526 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
TLC	SiO₂ on aluminum backing with F₂₅₄	
R _f ***	0.2 ± 0.1	0.19
Cell Assay	BioTek Cytation 5 Imaging Reader	
F/F ₀ post-stimulus in relevant biological assay	≥ 1.8	2.1

*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: MeOH; ***solvent: 8% MeOH/CHCl₃

Approved by P. Rogelio Escamilla Sep 2021