ION BIOSCIENCES

Certificate of Analysis

BAPTA AM

Lot 10520a

Method	Specification	Analysis
LCMS	**Agilent 1220 Infinity II**	
Purity*	≥ 95%	95.4%
Molecular Ion	*Common Peaks* 765.23 ± 0.5 m/z (MH^+) 787.23 ± 0.5 m/z (MNa^+)	*Detected Peaks* 765.5 m/z 787.2 m/z
Absorbance Spectrum	**Agilent Cary 60 UV-VIS Spectrophotometer**	
Longest-Wavelength Absorbance Maximum**	276 ± 3 nm	274 nm
Fluorescence Spectrum	**Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer**	
Excitation Max.; Emission Max.**	-[#]	-
^{1}H NMR Spectrum	**Bruker Avance 400**	
Peaks and Integrations	Only relevant product peaks — with appropriate chemical shifts and peak integrations — and solvent peaks present	Confirmed

*Column: Agilent Infinity Phenomex 00d-4251-E0, 4.6 x 100 mm, 100 angstrom, 3 micron, Luna C_{18}, UV-Vis Diode Array Detector: 254 nm, Single Quad MS Detector: ESI Positive; **solvent: High-Calcium Buffer, AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data, [#]BAPTA is weakly fluorescent in aqueous solutions (Em = 363 nm, QY = 0.03).

Approved by P. Rogelio Escamilla Nov 2023