



## BAPTA AM

Lot 10520b

Method	Specification	Analysis
<b>LCMS</b>	<b>Agilent 1220 Infinity II</b>	
Purity*	≥ 95%	98.7%
Molecular Ion	<i>Common Peaks</i> 765.23 ± 0.5 m/z (MH <sup>+</sup> ) 787.23 ± 0.5 m/z (MNa <sup>+</sup> )	<i>Detected Peaks</i> 765.5 m/z 787.2 m/z
<b>Absorbance Spectrum</b>	<b>Agilent Cary 60 UV-VIS Spectrophotometer</b>	
Longest-Wavelength Absorbance Maximum**	276 ± 3 nm	274 nm
<b>Fluorescence Spectrum</b>	<b>Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer</b>	
Excitation Max.; Emission Max.**	-#	-
<b><sup>1</sup>H NMR Spectrum</b>	<b>Bruker Avance 400</b>	
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<sub>18</sub>, 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