

# Product Specifications

Catalog Number: 3023C | 3023F



## IPG-4 TMA<sup>+</sup> Salt

### Description

CAS number	N/A
PubChem CID	N/A
Molecular Weight	1336 g/mol
Solubility	DMSO
K <sub>d</sub> for K <sup>1+</sup>	7 mM

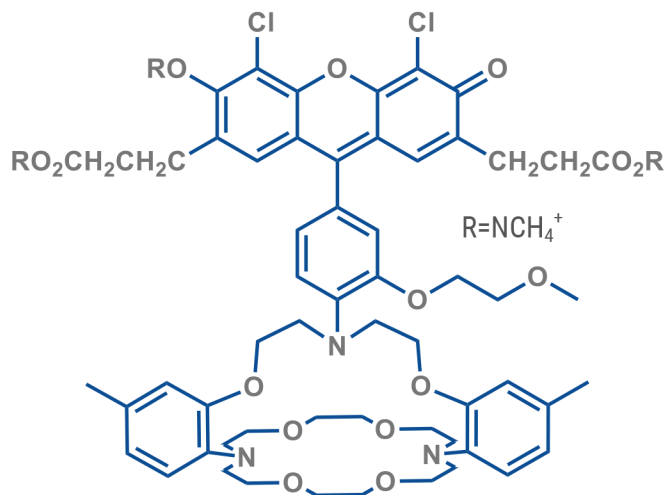
### Absorbance Spectrum

Solvent	Methanol
Absorbance max	524 ± 3 nm

### <sup>1</sup>H NMR Spectrum

Solvent	Deuterated methanol
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Only relevant product peaks – with appropriate chemical shifts and peak integrations – and solvent peaks present.



### LCMS

Agilent 1220 Infinity II	
Column	Agilent Infinity Lab Poroshell 120 ECC18, 30 x 50 mm, 2.7 μm C <sub>18</sub>
UV-Vis Diode Array Detector	254 nm
Purity	≥ 90%
Single Quad MS Detector	ESI positive
Molecular Ion	1118.07 ± 0.5 amu (MH <sup>+</sup> ) 1140.07 ± 0.5 amu (MNa <sup>+</sup> )

### Fluorescence Spectrum

Solvent	Methanol
Excitation max	525 nm
Emission max	545 nm

### TLC

SiO <sub>2</sub> on Al backing with F <sub>254</sub>	
Solvent	20% Water / 80% methanol
R <sub>f</sub>	0.4