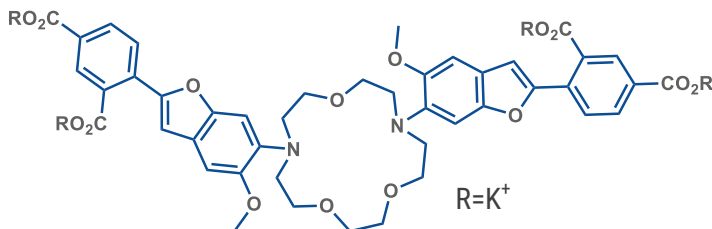


Catalog Number: 2022B | 2022E



## SBFI K<sup>+</sup> Salt



### Description

CAS number	N/A
PubChem CID	N/A
Molecular Weight	991 g/mol
Solubility	Water (pH>8)
K <sub>d</sub> for Na <sup>2+</sup>	4 mM

### 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	840.07 ± 0.5 amu (MH <sup>+</sup> ) 862.07 ± 0.5 amu (MNa <sup>+</sup> )

### Absorbance Spectrum

	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent	135 mM TMACl, 10mM MOPS, pH 7.2
Absorbance max	339 ± 3 nm

### Fluorescence Spectrum

	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer
Solvent	135 mM TMACl, 10mM MOPS, pH 7.2
Excitation max	340, 380 nm
Emission max	505 ± 3 nm

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

	Bruker Avance 400
Solvent	Deuterated water
Only relevant product peaks – with appropriate chemical shifts and peak integrations – and solvent peaks present.	

### TLC

	SiO <sub>2</sub> on Al backing with F <sub>254</sub>
Solvent	7:3 methanol / water
R <sub>f</sub>	0.9