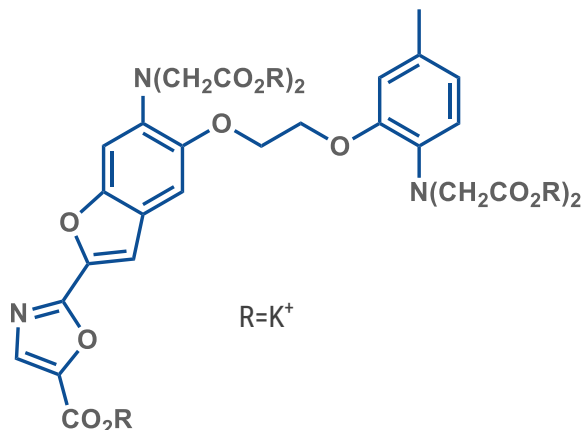


## Fura-2 K<sup>+</sup> Salt



Description	
CAS number	113694-64-7
PubChem CID	56845337
Molecular Weight	832 g/mol
Solubility	Water
K <sub>d</sub>	145 nM

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	643.07 ± 0.5 amu (MH <sup>+</sup> ) 665.07 ± 0.5 amu (MNa <sup>+</sup> )

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent	100 mM KCl, 10 mM MOPS, pH 7.2
Absorbance max	363 ± 3 nm

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer
Solvent	Ethyl Acetate
Excitation max	● 340, 380 nm
Emission max	● 505 ± 3 nm

<sup>1</sup> H NMR Spectrum	Bruker Avance 400
Solvent	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	4:6 Water / Methanol
R <sub>f</sub>	Solvent front