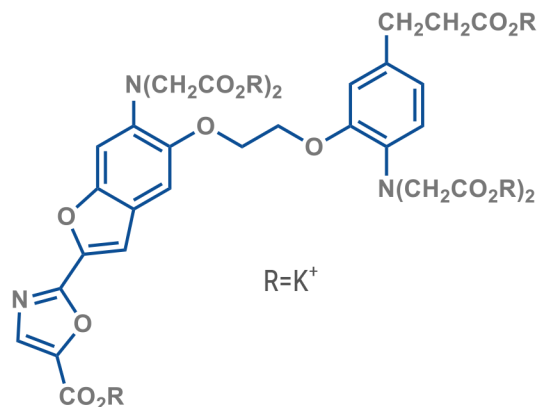


# Product Specifications

Catalog Number: 1062B | 1062E



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



### Description

CAS number	172890-83-4
PubChem CID	N/A
Molecular Weight	928 g/mol
Solubility	DMSO
K <sub>d</sub> for Ca <sup>2+</sup>	145 nM

### Absorbance Spectrum

Solvent	100 mM KCl, 10mM Mops, pH 7.2
Absorbance max	363 ± 3 nm

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

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

### LCMS

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	701.07 ± 0.5 amu (MH <sup>+</sup> ) 724.07 ± 0.5 amu (MNa <sup>+</sup> )

### Fluorescence Spectrum

Solvent	100 mM KCl, 10 mM Mops, pH 7.2
Excitation max	340, 380 nm
Emission max	505 ± 3 nm

### TLC

Solvent	3:7 Water / Methanol
R <sub>f</sub>	Solvent front