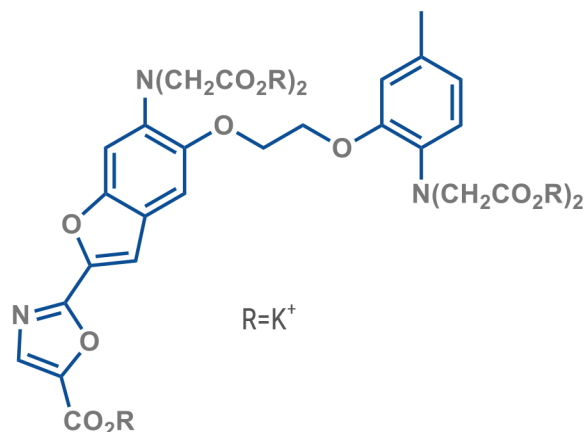


Product Specifications

Catalog Number: 1052B | 1052E



Fura-2 K⁺ Salt



Description

CAS number	113694-64-7
PubChem CID	56845337
Molecular Weight	832 g/mol
Solubility	Water
K _d for Ca ²⁺	145 nM

Absorbance Spectrum

Agilent Cary 60 UV-VIS Spectrophotometer

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

¹H NMR Spectrum

Bruker Avance 400

Solvent	Water
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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 ₁₈
UV-Vis Diode Array Detector	254 nm
Purity	≥ 90%
Single Quad MS Detector	ESI positive
Molecular Ion	643.07 ± 0.5 amu (MH ⁺) 665.07 ± 0.5 amu (MNa ⁺)

Fluorescence Spectrum

Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer

Solvent	Ethyl Acetate
Excitation max	340, 380 nm
Emission max	505 ± 3 nm

TLC

SiO₂ on Al backing with F₂₅₄

Solvent	4:6 Water / Methanol
R _f	Solvent front