

Fluo-3 K⁺ Salt



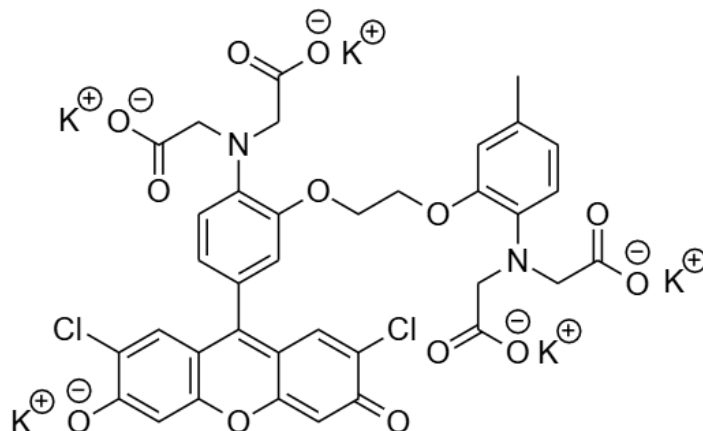
Membrane Impermeable, Green Fluorescent Calcium Indicator, slightly Red-shifted compared to Fluo-4. Large dynamic range that may be better suited to high contrast imaging applications.

<i>Available in these sizes:</i>	
1032B	1 mg x 1
1032E	50 µg x 20

Description	
CAS number	N/A
PubChem CID	168679785
Molecular Weight	960 g/mol
Solubility	Water
K _d	390 nM
Storage	-20°C
Appearance	Red to orange film or pellet
Container	1.5 mL polypropylene cryogenic vial

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent	High Calcium (Ca ²⁺) Buffer Solution
Absorbance max	506 ± 3 nm

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer
Solvent	High Calcium (Ca ²⁺) Buffer Solution
Excitation max	506 ± 3 nm
Emission max	526 ± 3 nm



LCMS	Agilent 1220 Infinity II
Column	Phenomenex 00D-4251-E0 Luna C ₁₈ , 4.6 x 100 mm, 100Å, 3 µm
UV-Vis Diode Array Detector	254 nm
Purity	≥ 90%
Single Quad MS Detector	ESI positive
Molecular Ion*	769.1 ± 0.5 m/z [M+H] ⁺ 791.1 ± 0.5 m/z [M+Na] ⁺ 385.1 ± 0.5 m/z [M+2H] ²⁺ *Fluo-3 K ⁺ Salt is protonated to the acid form in the mobile phase and detected in ESI Positive Mode

¹H NMR Spectrum	Bruker Avance 400
Solvent	D ₂ O
Spectra	Product conforms to structure

In Vitro Assay	BioTek Cytation 5 Cell Imaging Multi-mode Reader
$F_{\text{Stimulus}}/F_{\text{Control}}$ in relevant biological	To Pass Test