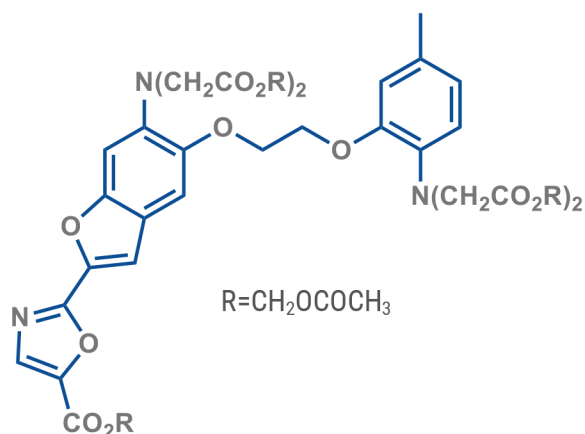


Product Specifications

Catalog Number: 1051B | 1051E



Fura-2 AM



Description

CAS number	108964-32-5
PubChem CID	57054
Molecular Weight	1002 g/mol
Solubility	DMSO
K _d for Ca ²⁺	145 nM

Absorbance Spectrum

Solvent	Ethyl acetate
Absorbance max	371 ± 3 nm

¹H NMR Spectrum

Solvent	Deuterated acetone
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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 ₁₈
UV-Vis Diode Array Detector	254 nm
Purity	≥ 95%
Single Quad MS Detector	ESI positive
Molecular Ion	1003.07 ± 0.5 amu (MH ⁺) 1025.07 ± 0.5 amu (MNa ⁺)

Fluorescence Spectrum

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

TLC

Solvent	2:1 Ethyl Acetate / Hexanes
R _f	0.5