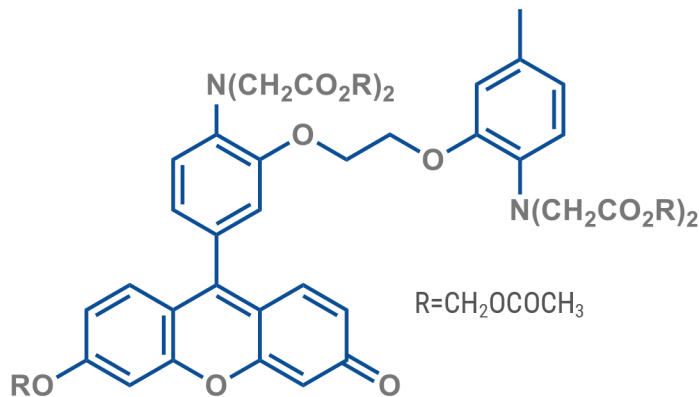


# Product Specifications

Catalog Number: 1021B | 1021E



## Fluo-2 HA AM



### Description

CAS number	N/A
PubChem CID	N/A
Molecular Weight	1061 g/mol
Solubility	DMSO
K <sub>d</sub> for Ca <sup>2+</sup>	290 nM

### Absorbance Spectrum

Solvent	Ethyl acetate
Absorbance max	455 ± 3 nm

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

Solvent	Deuterated chloroform
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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 <sub>18</sub>
UV-Vis Diode Array Detector	254 nm
Purity	≥ 95%
Single Quad MS Detector	ESI positive
Molecular Ion	1062.07 ± 0.5 amu (MH <sup>+</sup> ) 1084.07 ± 0.5 amu (MNa <sup>+</sup> )

### Fluorescence Spectrum

Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer	
Solvent	Ethyl Acetate
Excitation max	490 nm
Emission max	515 nm

### TLC

SiO <sub>2</sub> on Al backing with F <sub>254</sub>	
Solvent	Ethyl acetate/ Hexane 2:1
R <sub>f</sub>	0.5