

# Product Specifications

Catalog Number: 1031B | 1031E

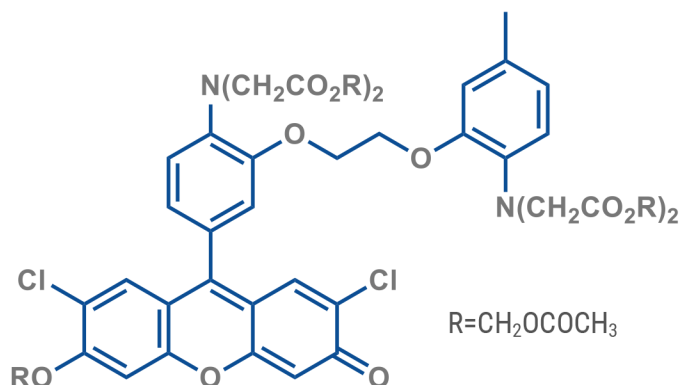


## Fluo-3 AM

Description	
CAS number	121714-22-5
PubChem CID	16213075
Molecular Weight	1130 g/mol
Solubility	DMSO
$K_d$ for $Ca^{2+}$	390 nM

Absorbance Spectrum	
Solvent	Ethyl acetate
Absorbance max	460 ± 3 nm

$^1H$ NMR Spectrum	
Solvent	Deuterated chloroform
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 $\mu$ m $C_{18}$
UV-Vis Diode Array Detector	254 nm
Purity	≥ 95%
Single Quad MS Detector	ESI positive
Molecular Ion	1130.07 ± 0.5 amu ( $MH^+$ ) 1152.07 ± 0.5 amu ( $MNa^+$ )

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer
Solvent	Ethyl Acetate
Excitation max	505 nm
Emission max	525 nm

TLC	$SiO_2$ on Al backing with $F_{254}$
Solvent	Ethyl acetate/ Hexane 2:1
$R_f$	0.4