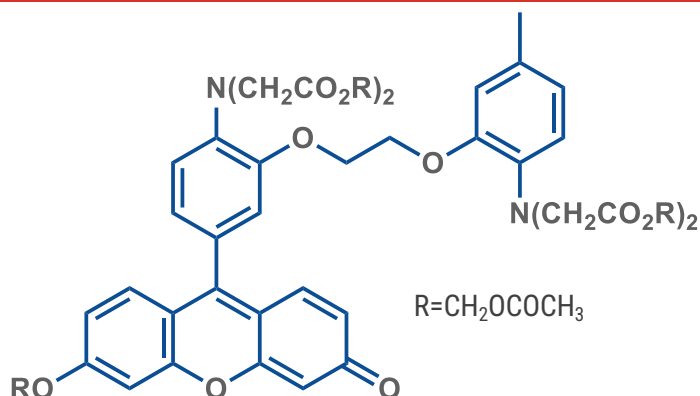


Fluo-2 AM



Description	
CAS number	N/A
PubChem CID	N/A
Molecular Weight	1061 g/mol
Solubility	DMSO
K _d	290 nM

LCMS	Agilent 1220 Infinity II
Column	Agilent Infinity Lab Poroshell 120 ECC18, 3.0 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	1061.31 ± 0.5 amu (MH ⁺) 1083.29 ± 0.5 amu (MNa ⁺) 531.16 ± 0.5 amu (MH ₂ ²⁺)

Absorbance Spectrum*	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent	High-Calcium Buffer
Absorbance max	490 ± 3 nm

Fluorescence Spectrum*	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer
Solvent	High-Calcium Buffer
Excitation max	● 495 nm
Emission max	● 515 nm

¹ H NMR Spectrum	Bruker Avance 400
Solvent	Deuterated chloroform
Only relevant product peaks – with appropriate chemical shifts and peak integrations – and solvent peaks present.	

*AM esters hydrolyzed to ion-sensing salt form prior to acquiring spectral data