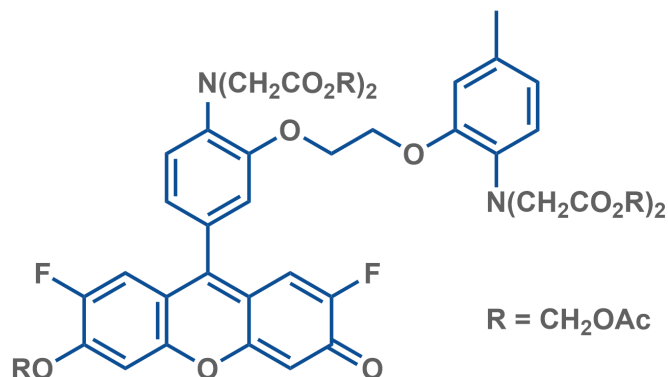


Fluo-4 AM



Description	
CAS number	273221-67-3
PubChem CID	4060965
Molecular Weight	1097 g/mol
Solubility	DMSO
K_d	355 nM

LCMS	Agilent 1220 Infinity II
Column	Agilent Infinity Lab Poroshell 120 ECC18, 30 x 50 mm, 2.7 μ m C ₁₈
UV-Vis Diode Array Detector	254 nm
Purity	$\geq 95\%$
Single Quad MS Detector	ESI positive
Molecular Ion	1097.29 \pm 0.5 amu (MH ⁺) 1119.27 \pm 0.5 amu (MNa ⁺) 549.15 \pm 0.5 amu (MH ₂ ²⁺)

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent	High-Calcium Buffer
Absorbance max	494 \pm 3 nm

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax 4 Spectrofluorometer
Solvent	High-Calcium Buffer
Excitation max	● 491 nm
Emission max	● 516 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.	