

Product Specifications

MIDSCI™

Laboratory Equipment & Supplies

Catalog Number: 1071B | 1071E

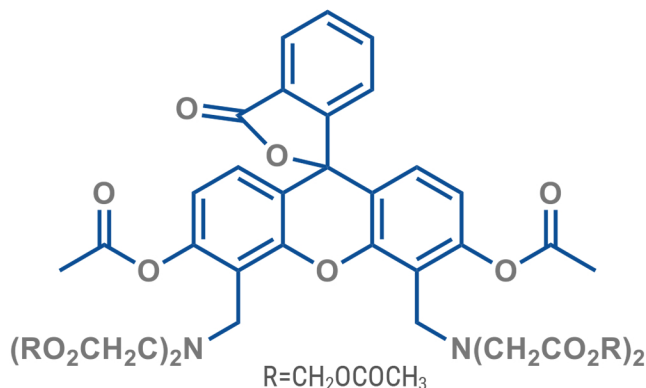


Calcein AM

Description	
CAS number	148504-34-1
PubChem CID	390986
Molecular Weight	995 g/mol
Solubility	DMSO

Absorbance Spectrum	
Solvent	0.1N KOH in methanol
Absorbance max	503 ± 3 nm
Absorptivity Coefficient	76,000 M ⁻¹ cm ⁻¹

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



LCMS	
Column	Agilent 1220 Infinity II
UV-Vis Diode Array Detector	254 nm
Purity	≥ 95%
Single Quad MS Detector	ESI positive
Molecular Ion	995.26 ± 0.5 m/z (MH ⁺) 1017.024 ± 0.5 m/z (MNa ⁺)

Fluorescence Spectrum	
Solvent	pH 9 aqueous buffer
Excitation max	495 nm
Emission max	515 nm

TLC	
Solvent	2:1 Ethyl Acetate / Hexane
R _f	0.5 ± 0.1

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BIOSCIENCES