

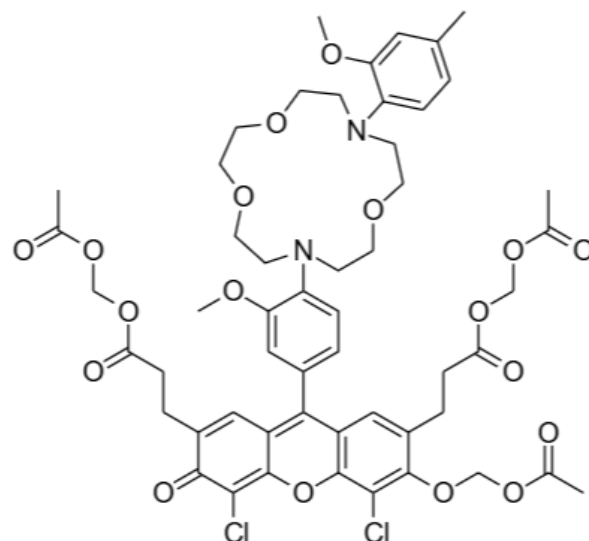
ING-2 AM



Membrane Permeable, Yellow-Green Fluorescent Sodium Indicator. Higher sodium affinity than ING-1 AM. Improved cellular loading and significantly brighter than SBFI AM. It's spectral properties and large dynamic range make it suitable for high-throughput screening of Na⁺ channels and transporters.

Available in these sizes:

2011C	500 µg x 1
2011F	50 µg x 10
2011G	50 µg x 3



Description	
CAS number	1642554-49-1
PubChem CID	16331954
Molecular Weight	1082 g/mol
Solubility	DMSO
K _d	20 mM
Storage	-20°C
Appearance	Red to dark red film or pellet
Container	1.5 mL polypropylene cryogenic vial

Absorbance Spectrum	Agilent Cary 60 UV-VIS Spectrophotometer
Solvent*	High Sodium (Na ⁺) Buffer Solution
Absorbance max	517 ± 3 nm

Fluorescence Spectrum	Horiba Jobin Yvon FluoroMax Plus Spectrofluorometer
Solvent*	High Sodium (Na ⁺) Buffer Solution
Excitation max	517 ± 3 nm
Emission max	540 ± 3 nm

*Note: AM Esters are hydrolyzed to the ion sensing form

LCMS	Agilent 1220 Infinity II
Column	Phenomenex 00D-4251-E0 Luna C ₁₈ , 4.6 x 100 mm, 100Å, 3 µm
UV-Vis Diode Array Detector	254 nm
Purity	≥ 90%
Single Quad MS Detector	ESI positive
Molecular Ion	1083.3 ± 0.5 m/z [M+H] ⁺ 542.2 ± 0.5 m/z [M+2H] ²⁺

¹H NMR Spectrum	Bruker Avance 400
Solvent	CDCl ₃
Spectra	Product conforms to structure

Cell Assay	BioTek Cytation 5 Cell Imaging Multi-mode Reader
F/F ₀ post stimulus in relevant biological assay	To Pass Test
Imaging Analysis	Observed fluorescence is intracellular with minimal extracellular fluorescence

Also check out our [Brilliant Sodium Assay Kit \(Cat# 9000\)](#) which contains ING-2 AM and all the reagents needed to perform sodium flux assays in a convenient all-in-one kit. Available in sizes with enough materials for 2, 10, and 100 plates.