

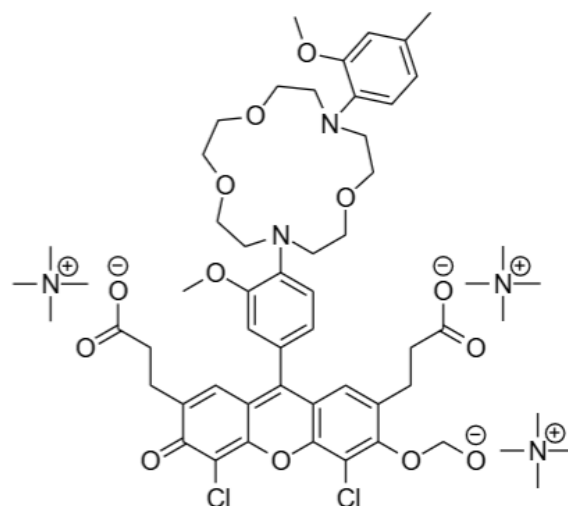
ING-2 TMA⁺ Salt



Membrane Impermeable, Yellow-Green Fluorescent Sodium Indicator. It's spectral properties and large dynamic range make it suitable for high-throughput screening of Na⁺ channels and transporters.

Available in these sizes:

2013C	500 µg x 1
2013F	50 µg x 10



Description	
CAS number	N/A
PubChem CID	N/A
Molecular Weight	1084 g/mol
Solubility	Water
K _d	20 mM
Storage	-20°C
Appearance	Red to dark red film or pellet
Container	1.5 mL polypropylene cryogenic vial

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*	867.3 ± 0.5 m/z [M+H] ⁺ 434.1 ± 0.5 m/z [M+2H] ²⁺ *ING-2 TMA ⁺ Salt is protonated to the acid form in the mobile phase and detected in ESI Positive Mode

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

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

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

In Vitro Assay	BioTek Cytation 5 Cell Imaging Multi-mode Reader
F _{Stimulus} /F _{Control} in relevant biological buffer	To Pass Test