

DISODIUM FLUORESCEIN

Synonym: 3',6'-dihydroxy-spiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one, disodium salt; Uranin

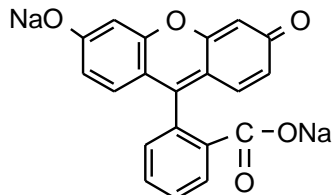
Catalog No.: 05520

CAS No.: 518-47-8

Chemical Formula: C₂₀H₁₀O₅.Na₂.2H₂O **MW:** 412.32

Appearance: Orange-red, crystalline powder

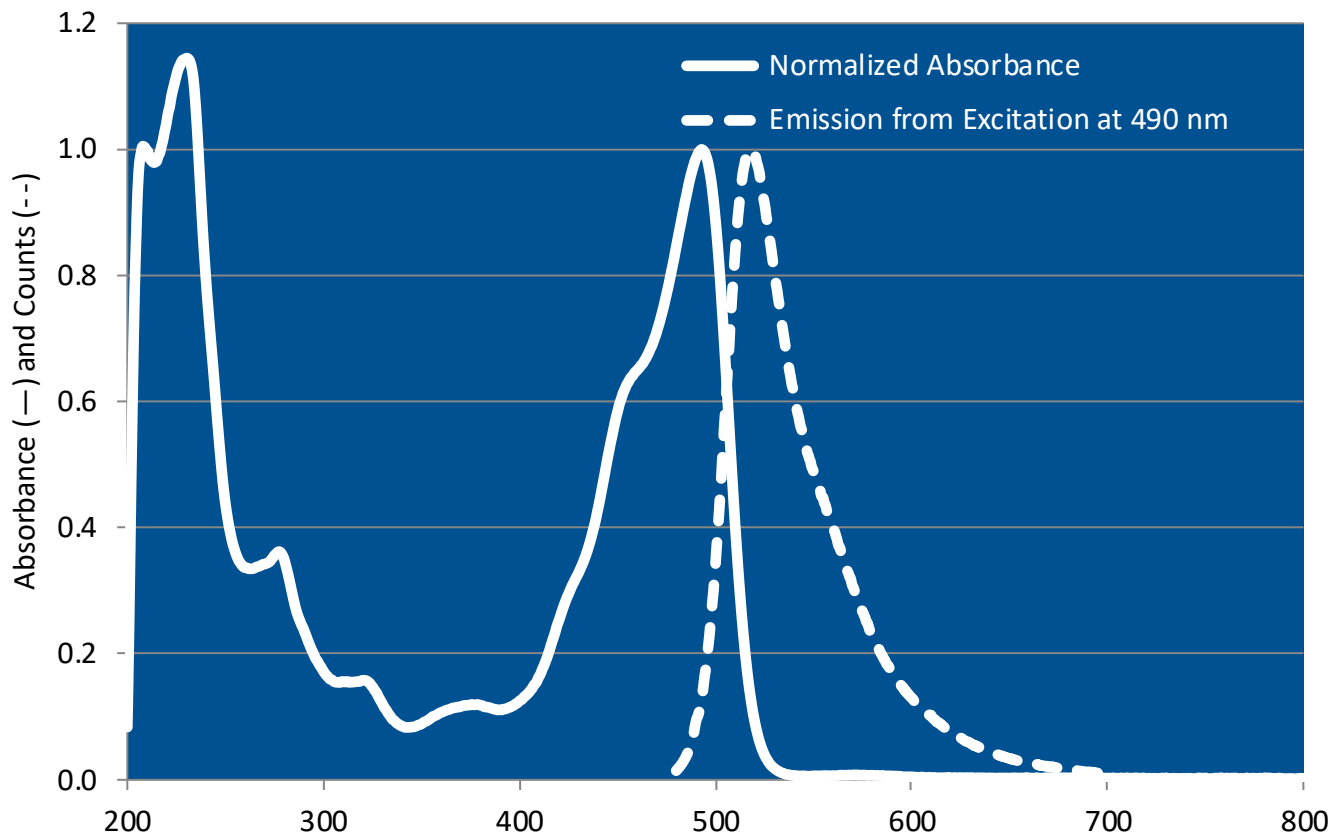
Structure:



Lasing Wavelength						
Max.	Range	Pump Source	Solvent	Concentration	Abs	FI
(nm)	(nm)	(nm)		(molar)	λ-max	λ-max
550		XeCl(308) ¹¹²	Ethanol	4 x 10 ⁻³	501 ^e	531 ^e
550	536-568	Nd:YAG(355) ¹⁰⁹	EtOH/H ₂ O,1/1	5 x 10 ⁻³		
538	530-565	N ₂ (337) ⁸⁴	Ethanol(basic)	2 x 10 ⁻³		
550	500-580	N ₂ (337) ⁸⁴	Ethanol(acidic)	3.7 x 10 ⁻³		
555	525-575	N ₂ (337) ¹⁸³	Methanol	3.3 x 10 ⁻³		
552	537-580	Ar ¹⁴	EG + COT	3 x 10 ⁻³		
552	538-573	Ar(458,514) ¹⁷	EG	2.7 x 10 ⁻³		
560	536-585	Ar ⁶⁸	MeOH/EG,1/7.5	80% pump absorption		

EtOH/H₂O=ethanol/water, EG=ethylene glycol, COT=cyclooctatetraene, MeOH/EG=methanol/ethylene glycol, e= ethanol

Disodium Fluorescein in Methanol



The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.

Quantum Yields and Lifetimes

Absorbance (nm)	Emission (nm)	Quantum Yield (max = 1.0)	Solvent	Lifetime (ns)	References, Notes
560			Ethanol	6.8	C-3

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For a current list of biology, biological stain, or biochemistry references for Disodium Fluorescein from PubMed, click on the following link:

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