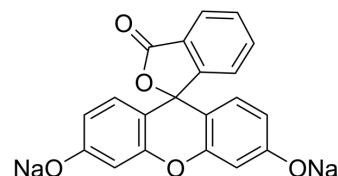


## Fluorescein sodium

Cat. No.:	HY-D0208
CAS No.:	518-47-8
Molecular Formula:	C <sub>20</sub> H <sub>10</sub> Na <sub>2</sub> O <sub>5</sub>
Molecular Weight:	376.27
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 20.83 mg/mL (55.36 mM; ultrasonic and warming and heat to 80°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6577 mL	13.2883 mL	26.5767 mL
	5 mM	0.5315 mL	2.6577 mL	5.3153 mL
	10 mM	0.2658 mL	1.3288 mL	2.6577 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Fluorescein (Uranine) sodium is widely used as a fluorescent tracer in medicinal and biological applications and tumor infected tissues tracer. Fluorescein (Uranine) sodium is a representative green fluorophore that has been widely used as a scaffold of practically useful green fluorescent probes<sup>[1][2]</sup>.

#### In Vitro

Fluorescein is a synthetic organic photoactive dye compound soluble in water, alcohol and polar solvents<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Sci Bull. 2023 Dec 26.
- Cell Death Dis. 2023 Feb 7;14(2):91.
- Brain Res. 2024 Apr 6:1835:148919.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

- [1]. Hirabayashi K, et al. Analysis of chemical equilibrium of silicon-substituted fluorescein and its application to develop a scaffold for red fluorescent probes. Anal Chem. 2015;87(17):9061-9069.
- [2]. Negm NA, et al. Fluorescein dye derivatives and their nanohybrids: Synthesis, characterization and antimicrobial activity. J Photochem Photobiol B. 2016;162:421-433.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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