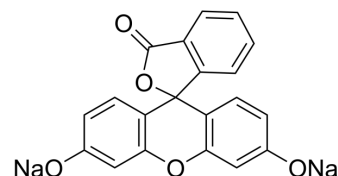


Fluorescein sodium

Cat. No.:	HY-D0208
CAS No.:	518-47-8
Molecular Formula:	C ₂₀ H ₁₀ Na ₂ O ₅
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

H₂O : 20.83 mg/mL (55.36 mM; ultrasonic and warming and heat to 80°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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^{[1][2]}.

In Vitro

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

CUSTOMER VALIDATION

- Cell Death Dis. 2023 Feb 7;14(2):91.

See more customer validations on www.MedChemExpress.com

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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