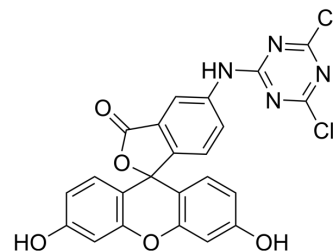


## 5-DTAF

Cat. No.:	HY-D1082
CAS No.:	51306-35-5
Molecular Formula:	C <sub>23</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	495.27
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (100.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0191 mL	10.0955 mL	20.1910 mL
	5 mM	0.4038 mL	2.0191 mL	4.0382 mL
	10 mM	0.2019 mL	1.0096 mL	2.0191 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5-DTAF is a isomeric fluorescein derivative that directly react with polysaccharides and other alcohols in aqueous solution at pH 9. The maximum of the 5-DTAF emission profile is at a wavelength of 518 nm after excitation at 488 nm<sup>[1]</sup>.

### REFERENCES

[1]. Fergg F, et al. Investigations of the microscopic structure of poly (vinyl alcohol) hydrogels by confocal laser scanning microscopy. Colloid and Polymer Science, 2001, 279(1): 61-67.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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