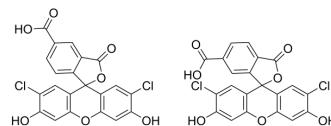


## 5(6)-Carboxy-2',7'-dichlorofluorescein

<b>Cat. No.:</b>	HY-D0194
<b>CAS No.:</b>	111843-78-8
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>10</sub> Cl <sub>2</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	445.21
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 31.25 mg/mL (70.19 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2461 mL	11.2307 mL	22.4613 mL
	5 mM	0.4492 mL	2.2461 mL	4.4923 mL
	10 mM	0.2246 mL	1.1231 mL	2.2461 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5(6)-Carboxy-2',7'-dichlorofluorescein is an ideal substrate for MRP2 vesicular transport assay, with excellent detection and transport properties<sup>[1]</sup>.

### CUSTOMER VALIDATION

- J Pharm Biomed Anal. 2024 Jan 24, 115999.

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

### REFERENCES

[1]. Heredi-Szabo K, et al. Characterization of 5(6)-carboxy-2',7'-dichlorofluorescein transport by MRP2 and utilization of this substrate as a fluorescent surrogate for LTC4. J Biomol Screen. 2008 Apr;13(4):295-301.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA