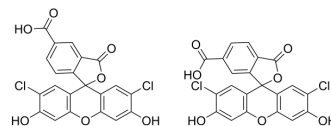


## 5(6)-Carboxy-2',7'-dichlorofluorescein

|                           |  |
|---------------------------|--|
| <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<br>* 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)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 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>.

### 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.

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

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