

## Data Sheet (Cat.No.TD0060)

5(6)-CR110 [5-(and 6)-Carboxyrhodamine 110] \*Mixed isomers\*

### Chemical Properties

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| CAS No.:          | TD0060                                                                 |
| Formula:          | C <sub>21</sub> H <sub>15</sub> N <sub>2</sub> O <sub>5</sub> Cl       |
| Molecular Weight: | 410.81                                                                 |
| Appearance:       | N/A                                                                    |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

### Biological Description

|             |                                                                                                                                                                                                                                                                                                                                    |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Compared to fluorescein labeling reagents such as FITC and FAM, CR110 reagents give more photostable and pH-independent bioconjugates that have the absorption maximum around the preferred 488 nm excitation wavelength. They are photostable alternative reagents superior to FITC and FAM.                                      |
| In vitro    | 5 (6) - CR110 is an amino reactive dye, which can be used to label proteins, peptides and nucleic acids. The fluorescent activity of this dye is not affected by pH (PH 4-9), and has good light stability. It is a green fluorescent dye with excellent performance, which can perfectly replace green fluorescein and Alexa 488. |

### Solubility Information

|            |                                                               |
|------------|---------------------------------------------------------------|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---------------------------------------------------------------|

#### Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 2.434 mL | 12.171 mL | 24.342 mL |
| 5 mM  | 0.487 mL | 2.434 mL  | 4.868 mL  |
| 10 mM | 0.243 mL | 1.217 mL  | 2.434 mL  |
| 50 mM | 0.049 mL | 0.243 mL  | 0.487 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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