

5-CR110 [5-Carboxyrhodamine 110] *Single isomer*

Chemical Properties

CAS No.:	TD0061
Formula:	C ₂₁ H ₁₅ N ₂ O ₅ 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	In some applications, 5-CR110 is an excellent alternative to 5-carboxyfluorescein. Its fluorescence is not affected by pH (PH 4-9) and has stronger photostability than fluorescein.

Solubility Information

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

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