Data Sheet (Cat.No.TD0065)

6-CR110, SE [6-Carboxyrhodamine 110, succinimidyl ester]*Single isomer*

Chemical Properties

CAS No.:	TD0065
Formula:	C25H18ClN3O7
Molecular Weight:	523.92
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ 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, 6-CR110, SE are excellent substitutes for 6-carboxyfluorescein. The fluorescence of 6-CR110, SE is not affected by pH (PH4-9) and has stronger photostability than fluorescein.

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.909 mL	9.543 mL	19.087 mL
5 mM	0.382 mL	1.909 mL	3.817 mL
10 mM	0.191 mL	0.954 mL	1.909 mL
50 mM	0.038 mL	0.191 mL	0.382 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

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