Data Sheet (Cat.No.T38994)



NHS-5(6)Carboxyrhodamine

Chemical Properties

CAS No.: 150408-83-6

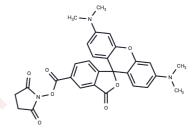
Formula: C29H25N3O7

Molecular Weight: 527.533

Appearance: no data available

Storage: keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	NHS-5(6)Carboxyrhodamine is a fluorescent dye employed for precise labeling of proteins through fluorescence. This compound enables the achievement of accurate ratios of dye to protein, even when used under native conditions.
In vitro	A common trait among all NHS-5(6)Carboxyrhodamine/ConA samples is the pronounced prominence of the 556 nm peak compared to the 520 nm peak[1]. Furthermore, the dye/protein ratios for NHS-5(6)Carboxyrhodamine exhibit a close similarity between native and denaturing conditions[1].

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.8956 mL	9.4781 mL	18.9563 mL	
5 mM	0.3791 mL	1.89 <mark>56 mL</mark>	3.7913 mL	
10 mM	0.1896 mL	0.9478 mL	1.8956 mL	
50 mM	0.0379 mL	0.1896 mL	0.3791 mL	

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

D L Meadows, et al. Determining the extent of labeling for tetramethylrhodamine protein conjugates. J Immunol Methods. 1991 Oct 25;143(2):263-72.

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