

## 5(6)-ROX [5-(and 6)-Carboxy-X-rhodamine] \*Mixed isomers\*

## Chemical Properties

CAS No. :

Formula: C33H30N2O5

Molecular Weight: 534.6

Keep away from direct sunlight

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

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	ROX dyes have a strong red fluorescence. Their excitation and emission wavelengths are longer than those of traditional rhodamine dyes. They are used as labels for peptides, proteins, and other biological ligands. 5-ROX, 6-ROX, and their mixture of 5(6)-ROX, were labeled as biomolecules by EDC-mediated conjugation.
Targets(IC50)	Others
In vitro	5 (6) - Rox is a fluorescent nucleic acid label, which can be used as a reference dye for real-time PCR.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8706 mL	9.3528 mL	18.7056 mL
5 mM	0.3741 mL	1.8706 mL	3.7411 mL
10 mM	0.1871 mL	0.9353 mL	1.8706 mL
50 mM	0.0374 mL	0.1871 mL	0.3741 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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