

5-ROX, SE

Chemical Properties

CAS No.:	209734-74-7
Formula:	C33H30N2O5
Molecular Weight:	631.67
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	The isomeric 5-ROX, SE is an amine-reactive form of carboxy-X-rhodamine and is widely used for oligonucleotide labeling and automated DNA sequencing applications.
In vitro	Single isomers of ROX are increasingly preferred for the label of nucleotides and peptides for the better resolution in HPLC purifications. Variable ratios of the 5- and 6-isomers often cause complications in the interpretation of assay performances and labeling results. 5-ROX is predominantly used to label peptides and proteins. Compared to other rhodamines, ROX is unstable.

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	1.583 mL	7.916 mL	15.831 mL
5 mM	0.317 mL	1.583 mL	3.166 mL
10 mM	0.158 mL	0.792 mL	1.583 mL
50 mM	0.032 mL	0.158 mL	0.317 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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