

## 6-ROX, SE [6-Carboxy-X-rhodamine, succinimidyl ester]

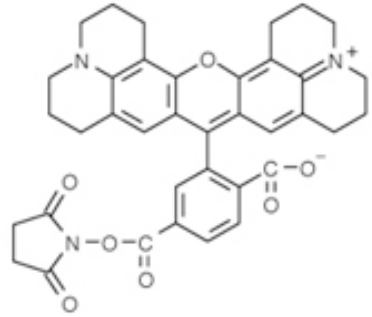
Catalog Number	Packaging Size
C151	5 mg

Storage upon receipt: -20°C, protect from light

### Introduction

The isomeric **6-ROX, SE** is an amine-reactive form of carboxy-X-rhodamine and is widely used for oligonucleotide labeling and automated DNA sequencing applications.

### Specifications

<b>Label:</b>	ROX	
<b>Ex/Em:</b>	575/602 nm	
<b>Detection Method:</b>	Fluorescent	
<b>Solubility:</b>	DMSO, DMF	
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>33</sub> N <sub>3</sub> O <sub>7</sub>	
<b>Molecular Weight:</b>	631.68	
<b>CAS Number:</b>	216699-36-4	
<b>Storage Conditions:</b>	-20°C, protect from light	
<b>Shipping Condition:</b>	Room Temperature	

### Applications

Fluorescent labeling

### References:

1. [Zymogen/enzyme discrimination using peptide chloromethyl ketones.](#)  
Williams EB, Krishnaswamy S, Mann KG  
J Biol Chem (1989) 264:7536-7545
2. [H-type dimer formation of fluorophores: a mechanism for activatable, in vivo optical molecular imaging.](#)  
Ogawa M, Kosaka N, Choyke PL, Kobayashi H,  
ACS Chem Biol (2009) 4:535-546
3. Thermally Activated Hole Filling of Dye and Dye-Oligonucleotide Doped into Polymer Films.  
Chang T-C, Chiang C-C, Chou S-H  
J Phys Chem (1995) 99:6620-6620