7040 Virginia Manor Road
Beltsville, MD 20705, USA
Web: www.abpbio.com;
Email: info@abpbio.com

5(6)-CR110, SE [5-(and-6)-Carboxy-rhodamine 110, succinimidyl ester]

Catalog Number	Packaging Size
C128	5 mg

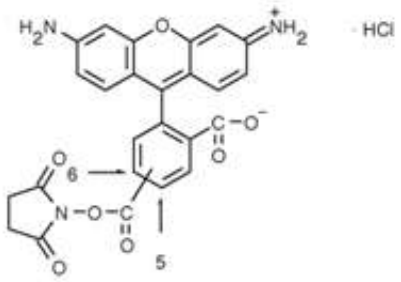
Storage upon receipt: -20°C, protect from light

Introduction

5(6)-CR110, SE is a amine-reactive fluorescent probe for preparation of bioconjugates and it is more photo-stable and less pH sensitive (between 4-9) than fluorescein. The labeled conjugated probes can be used for Fluorescence Correlation Spectroscopy (FCS).

Specifications

Label:	Rhodamine 110
Ex/Em:	505/525 nm
Detection Method:	Fluorescent
Solubility:	DMSO, DMF
Molecular Formula:	$C_{25}H_{18}ClN_3O_7$
Molecular Weight:	507.89
CAS Number:	254732-34-8
Storage Conditions:	-20°C, protect from light
Shipping Condition:	Room Temperature



Applications

Fluorescent labeling

References:

1. Single-molecule detection technologies in miniaturized high-throughput screening: fluorescence intensity distribution analysis.
   Haupts U, Rudiger M, Ashman S, Turconi S, Bingham R, Wharton C, Hutchinson J, Carey C, Moore KJ, Pope AJ
   J Biomol Screen (2003) 0:19-19
2. A single-shot approach for measuring two-photon action cross-section of fluorescent markers
   Shi K, Heikal AA, Liu Z
   Opt Express (2006) 14:8722-8749
3. Frequency and voltage dependence of the dielectrophoretic trapping of short lengths of DNA and dCTP in a nanopipette.
   Ying L, White SS, Bruckbauer A, Meadows L, Korchev YE, Klenerman D
   Biophys J (2004) 86:1018-1027