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5-Oregon Green 488, SE [5-Oregon Green 488 carboxylic acid, succinimidyl ester]

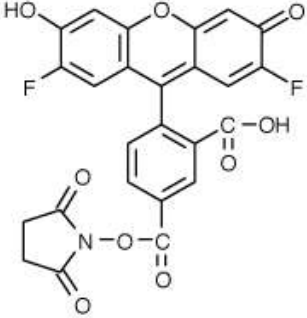
Catalog Number	Packaging Size
C114	5 mg

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

## Introduction

The amine-reactive **Oregon Green 488 carboxylic acid, succinimidyl ester** can be used to create green fluorescent bioconjugates with excitation/emission maxima ~496/524 nm. This fluorinated analog of fluorescein overcomes some of the key limitations of fluorescein, including greater photostability and a lower pK<sub>a</sub> (pK<sub>a</sub> ~ 4.7 versus 6.4 for fluorescein), making its fluorescence essentially pH insensitive in the physiological pH range.

## Specifications

Label:	Oregon Green 488	
Ex/Em:	496/524 nm	
Detection Method:	Fluorescent	
Solubility:	DMSO, DMF	
Molecular Formula:	C <sub>25</sub> H <sub>13</sub> F <sub>2</sub> NO <sub>9</sub>	
Molecular Weight:	509.38	
CAS Number:	198139-51-4	
Storage Conditions:	-20°C, protect from light	
Shipping Condition:	Room Temperature	

## Applications

Fluorescent labeling

## References:

1. A comparison of the emission efficiency of four common green fluorescence dyes after internalization into cancer cells.  
Hama Y, Urano Y, Koyama Y, Bernardo M, Choyke PL, Kobayashi H  
Bioconjug Chem (2006) 17:1426-1431