

# Chromeo™ 546 Carboxylic Acid

**Catalog No:** 15210, 16210

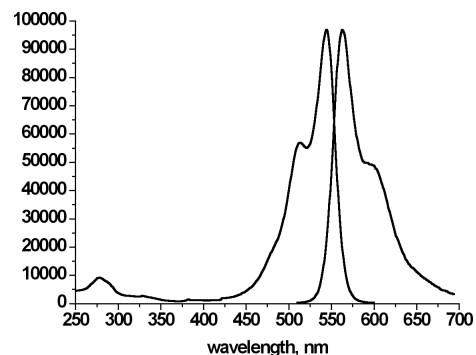
## Chemical Properties:

**Contents:** 1 mg (Cat # 15210) or 5 mg (Cat # 16210) of lyophilized Chromeo™ 546 carboxylic acid

Net formula:  $C_{35}H_{47}N_2O_5P$  MW 606.74

Reagent color: purple solid.

Soluble in DMF, ethanol, methanol and acetonitrile.



Spectrum of Chromeo 546 Carboxylic Acid in PBS.

## Fluorescent Properties:

Chromeo 546 shows similar fluorescent properties as the yellow-orange Cy3 dye.

Filters designed for Cy3 can be used with Chromeo 546 and its conjugates.

Chromeo 546 exhibits a large tolerance to pH and an unmatched photostability.

This gives more time for image capture.

**Molar extinction Coefficient:** 96,800  $M^{-1}cm^{-1}$  (measured at  $A_{max}$ )

**Excitation Wavelength:** 545 nm

**Emission Wavelength:** 561 nm

## Quality Control:

The Dye has been quality tested by TLC and spectro-photometrical evaluation.

## Storage and Guarantee:

To ensure stability, the lyophilized dye should be stored at 4°C in the dark. This product is guaranteed for 6 months from the date of arrival.

