

# Chromeo™ 488 Carboxylic Acid

**Catalog No:** 15510, 16510

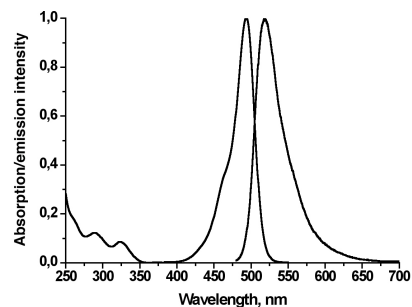
## Chemical Properties:

**Contents:** 1 mg (Catalog Number 15510) or 5 mg (Catalog Number 16510) of lyophilized Chromeo™ 488 Carboxylic Acid

Net formula:  $C_{30}H_{31}NO_7$ ; MW 517.58

Reagent color: yellow-orange

Soluble in DMF, ethanol and methanol.



Spectrum of Chromeo 488 Carboxylic Acid in PBS.

## Fluorescent Properties:

Chromeo 488 can be excited with a green laser and shows similar fluorescent properties as fluorescein or other 488-excitabile dyes. Filters designed for fluorescein can be used with Chromeo 488 and its conjugates. Chromeo 488 exhibits a large tolerance to pH and an unmatched photostability. This allows more time for image capture.

**Molar extinction Coefficient:** 73,000  $M^{-1}cm^{-1}$  (measured at  $A_{max}$ )

**Excitation Wavelength:** 488 nm

**Emission Wavelength:** 520 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.

