

This certificate is an example. A complete certificate containing lot-specific information, such as concentration and volume, will be shipped with your purchase.



## Chromeo™ 642 Carboxylic Acid

**Catalog No:** 15310, 16310

**Lot No:** Not Available

### Chemical Properties:

Contents: 1 mg (Catalog No. 15310) or 5 mg (Catalog No. 16310) of lyophilized

Chromeo™ 642 carboxylic acid

Net formula:  $C_{35}H_{45}N_2O_5P$ ; MW 604,73; m.p. >300 °C;

Reagent color: blue solid

Soluble in DMF, ethanol and methanol.

### Fluorescent Properties:

Chromeo 642 shows similar fluorescent properties as the red-fluorescent Cy5 dye.

Filters designed for Cy5 can be used with Chromeo 642 and its conjugates.

Chromeo 642 exhibits a large tolerance to pH and unmatched photostability,

which provides more time for image capture.

**Molar extinction Coefficient:**  $180,000 \text{ M}^{-1}\text{cm}^{-1}$  (measured at  $A_{\text{max}}$ )

**Excitation Wavelength:** 642 nm

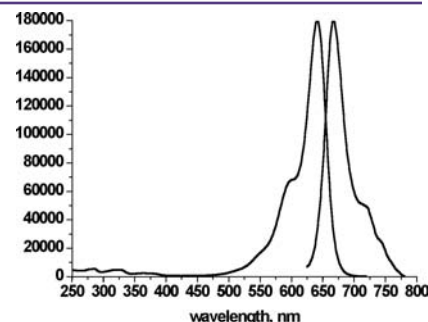
**Emission Wavelength:** 660 nm

### Quality Control:

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

### Storage:

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.



Spectrum of Chromeo™ 642 in PBS.