

Product name: DIGE Dye 2

General Data

- Molecular Mass:** Adjusted to that of DIGE Dye 1
- Solubility:** Alcohol, DMF, DMSO, acetonitrile, chloroform
- Insoluble:** Water
- Storage:** Store out of light, desiccated and refrigerate

Description

- Amine-reactive fluorescent label containing one reactive NHS-ester group.

Applications

- Fluorescence Difference Gel Electrophoresis (DIGE)

Advantages

- Perfectly suited for excitation with the 635 nm and 647 nm diode lasers
- pH-insensitive between pH 4 and pH 9
- High photostability; e.g. compared to fluorescein or Cy5™
- Low molecular weight — **DIGE Dye 2** does not add substantial mass to the conjugates

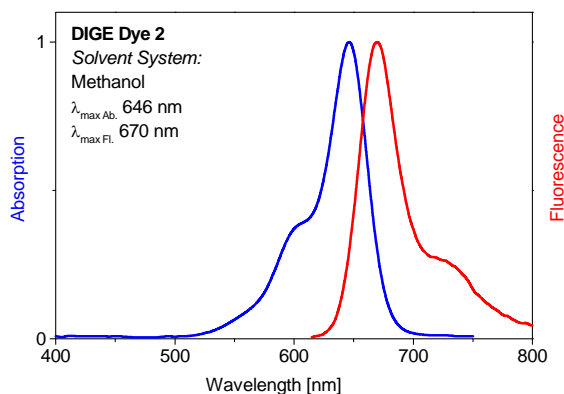
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- For research use only.

Spectral Data

Sample	Absorption max. [nm]	Extinction Coefficient [M ⁻¹ cm ⁻¹]	Fluorescence max. ¹ [nm]
Free dye in methanol	646	250,000	670

¹Excitation at 620 nm



Absorption and emission spectrum of **DIGE Dye 2** in methanol