SETA
BioMedicals
http://www.setabiomedicals.com
e-mail: info@setabiomedicals.com

Product number: **K8-1380**
Product name: **Seta-660-ammonium**

General Data

Molecular Mass: 714.96 (without counterion)

Solubility: Alcohol, Chloroform, DMF, DMSO

Insoluble: Water

Storage: Store out of light, desiccated and refrigerate

Description

Fluorescent probe

Advantages

- Perfectly suited for excitation with the 635, 670-nm diode laser, the 370, 405-nm diode lasers, and UV light
- Sensitive; high extinction coefficients and high quantum yields up to 35 % in presence of proteins
- Good aqueous solubility
- High photostability; e.g. compared to fluorescein or **Cy5**™
- Low molecular weight

Spectral Data

Solvent System: phosphate buffer pH 7.4

Concentration of BSA	Absorption max. [nm]	Extinction Coefficient [$M^{-1} \cdot cm^{-1}$]	Fluorescence* max. [nm]	Stokes' Shift, [cm^{-1}]	Quantum yield [%]
0	658	150,000	678	450	2
6 mg/ml	685		701	330	34

* Excitation at 620 nm

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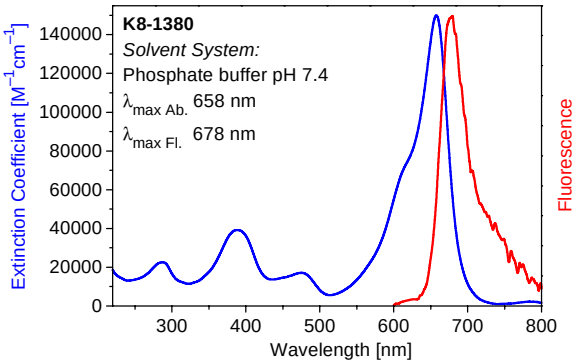
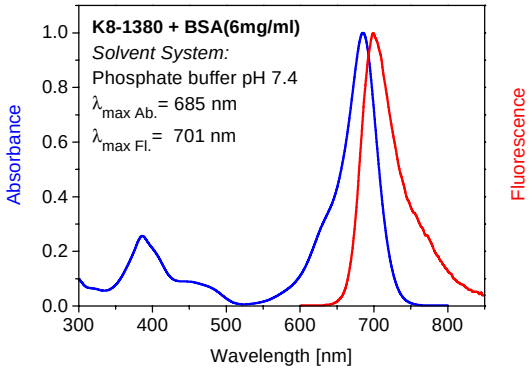


Absorption and fluorescence spectra of **K8-1380** in phosphate buffer (pH 7.4)



Absorption and fluorescence spectra of **K8-1380** in presence of BSA (6 mg/ml) in phosphate buffer (pH 7.4)