

Carboxyfluorescein

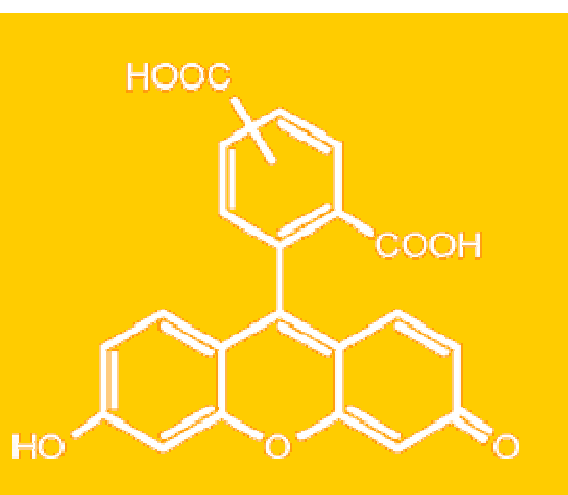
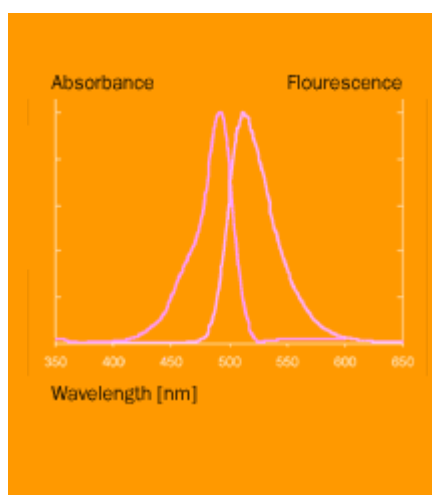
(mixed isomers and single isomer) data sheet:

Catalog
number

Spectrum

Structure

S5412.0025
S5412.0100
S5413.0025
S5413.0100
S5409.0100
S5409.1000
S5246.0005
S5246.0010
S5247.0005
S5247.0010



Technical
Data:

Assay: min. 90.5% (HPLC, 240 nm)
MW = 376.3 g/mol
C₂₁H₁₂O₇
soluble in DMSO, DMF
Abs.: 493 nm ($\epsilon = 86,000 \text{ M}^{-1}\text{cm}^{-1}$ (pH 9.0, buffer of Theorell & Stenhagen))
Em.: 513 nm ($I_{\text{rel}} = 1$ (to fluorescein)).
Abs.: 492 nm (pH 7.4 PBS) ($\epsilon = 81,000 \text{ M}^{-1}\text{cm}^{-1}$)
Em.: 514 nm (PBS, pH 7.4, $I_{\text{rel}} = 0.9$ (to Theorell buffer)).

Storage:

Store at -18°C, protect from light, especially in solution.

Shipment:

RT temperature.
Bottled under Argon

Buffer

Buffer of Theorell & Steinhagen at pH 9.0: 6.7 mM citrate, 6.7 mM phosphate,
11.4 mM borate, 24 mM NaCl.