

fon:
 +49 (0)731 - 3608 123
 fax:
 +49 (0)731 - 3608 962
 eMail:
info@genaxxon.com
 internet:
www.genaxxon.com

Carboxyfluorescein

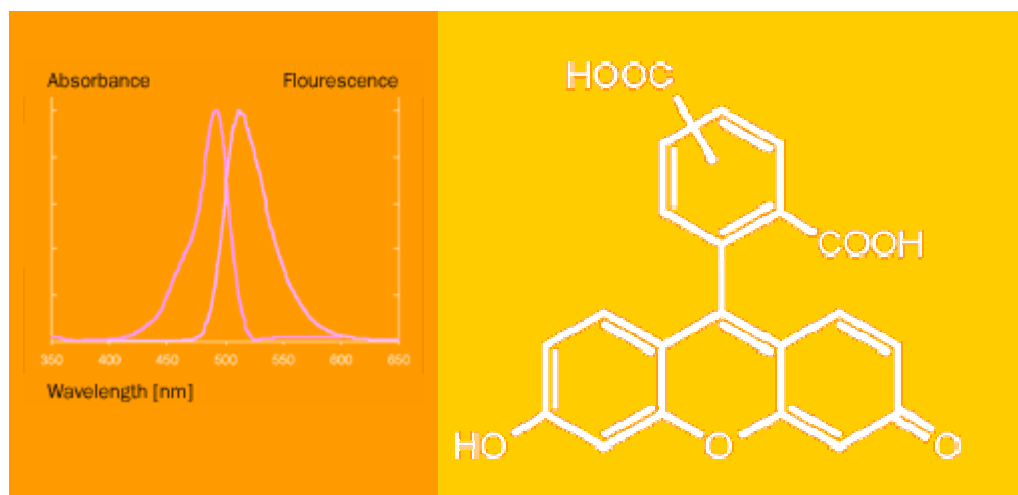
(mixed isomers and single isomer) data sheet:

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.