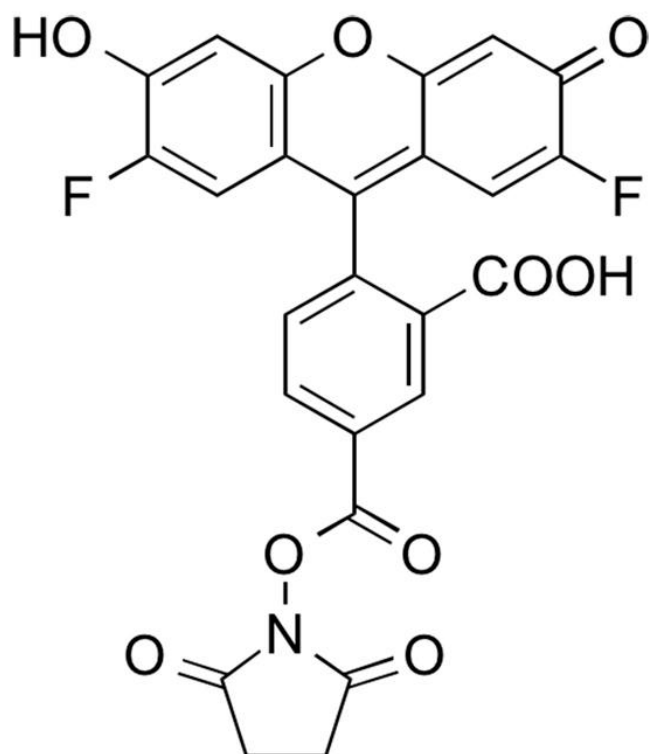




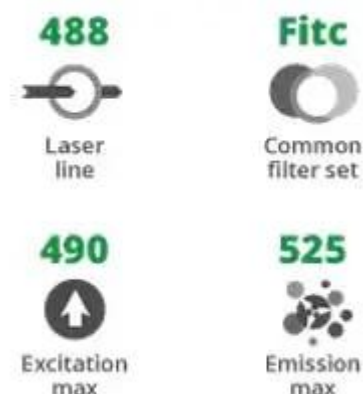
DIFLUOROCARBOXYFLUORESCEIN NHS ESTER, 5-ISOMER

SKU: FP-1222



DESCRIPTION

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Difluorocarboxyfluorescein NHS Ester, 5-isomer (Oregon Green™ 488 Carboxylic Acid, Succinimidyl Ester, 5-isomer equivalent) is an amine-reactive fluorinated analog of fluorescein that overcomes some of the key limitations of fluorescein, including greater photostability and a lower pKa (pKa ~ 4.7 versus 6.4 for fluorescein), making its fluorescence essentially pH insensitive in the physiological pH range.

Although the mixed isomers of Difluorocarboxyfluorescein NHS Ester, is a preferred, routinely used fluorescent dye for labeling proteins, peptides and nucleotides, purification of peptide and nucleotides labeled with 5(6) isomers might be troublesome due to significant signal broadening in HPLC purification. Peptides and nucleotides labeled with a single isomer usually give better resolution in HPLC purification that is often required in the conjugation processes.

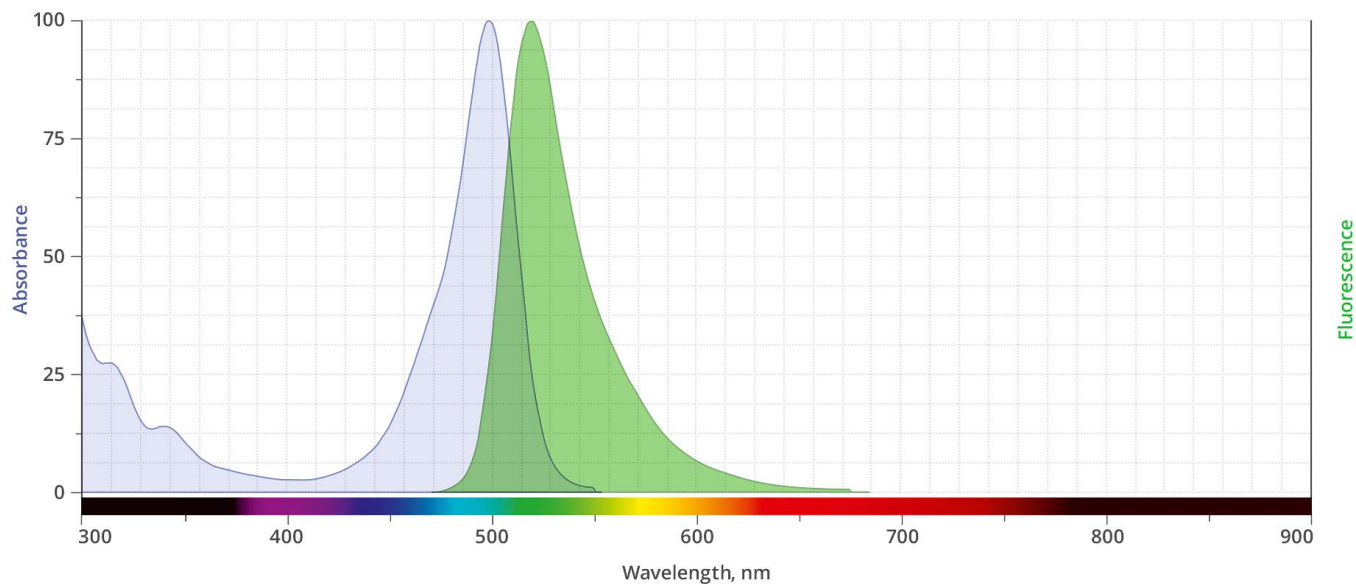
SPECIFICATIONS

Molecular Weight	509.38
Extinction Coefficient	73,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein
Excitation/Emission Maximum	496/524 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

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ABS/EM SPECTRA

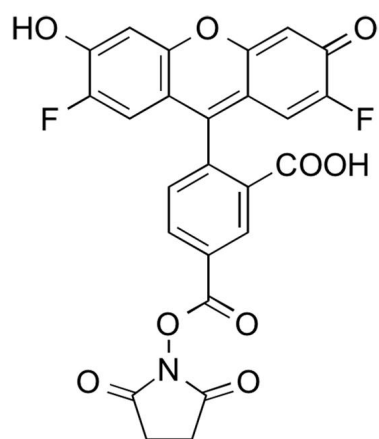


DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES

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