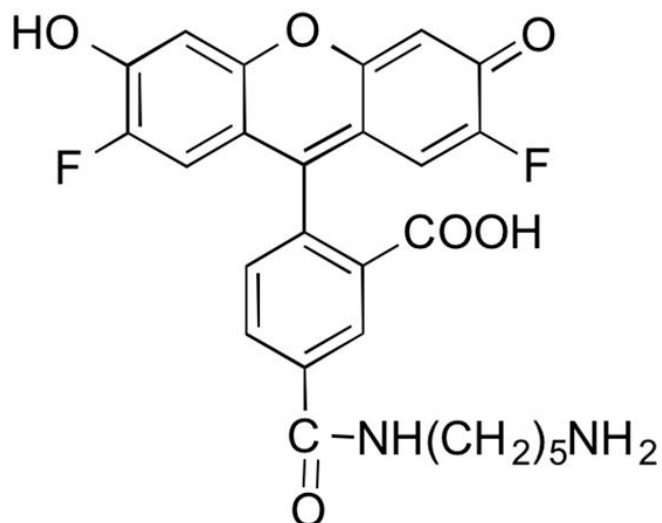




DIFLUOROCARBOXYFLUORESC EIN CAD AVERINE, 5-ISOMER

SKU: FP-1227



DESCRIPTION

488



Laser line

Fitc



Common filter set

490



Excitation max

525



Emission max

Difluorocarboxyfluorescein Cadaverine, 5-isomer (sold under Oregon Green™ 488 Cadaverine, 5-isomer name) is a carbonyl reactive building block used to modify carboxylic groups in the

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presence of activators (e.g. EDC, or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be employed as a polar tracer and as a reactive dye for labeling proteins via a carboxylic acid moiety.

Difluorocarboxyfluorescein Cadaverine is a 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.

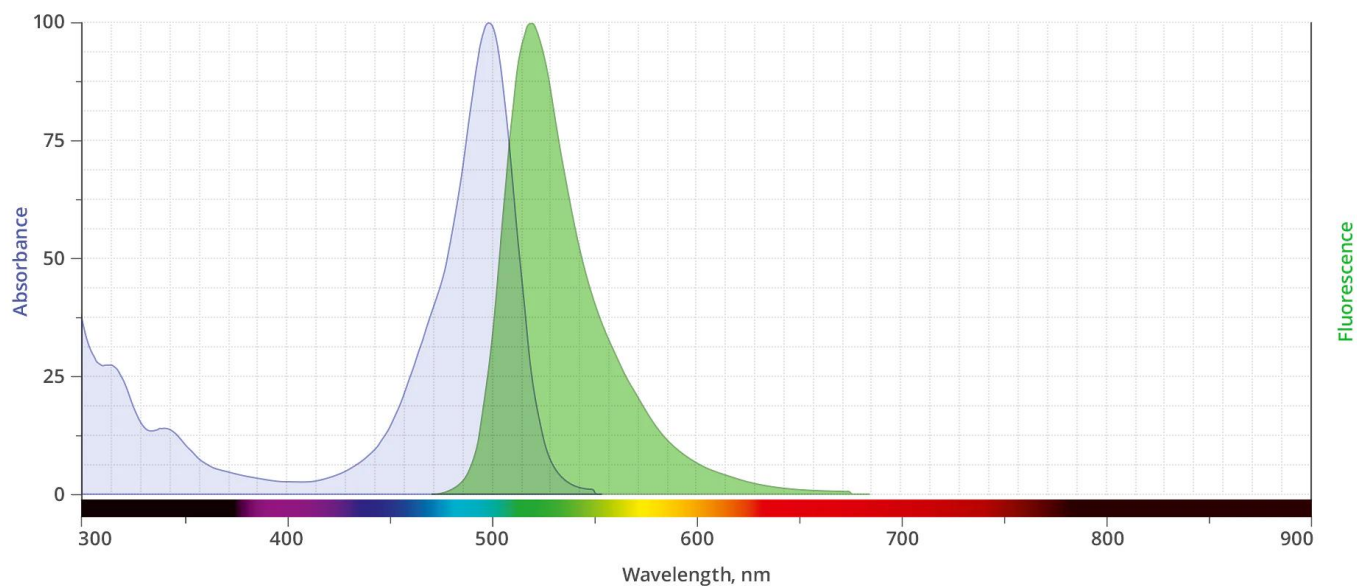
Difluorocarboxyfluorescein Cadaverine, 5-isomer structurally is identical to Invitrogen's Oregon Green™ 488 Cadaverine, 5-isomer

SPECIFICATIONS

Molecular Weight	496.46
Extinction Coefficient	73,000 cm ⁻¹ M ⁻¹
Reactivity	Aldehyde, carboxylic acid, ketone
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF, MeOH
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein, Oregon Green 488
Excitation/Emission Maximum	494/517 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

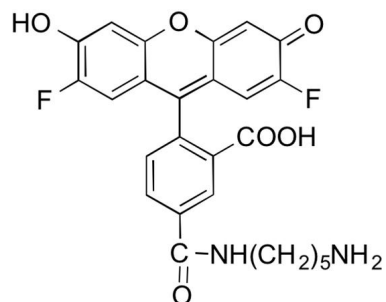
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DOCUMENTS

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

GALLERY IMAGES



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