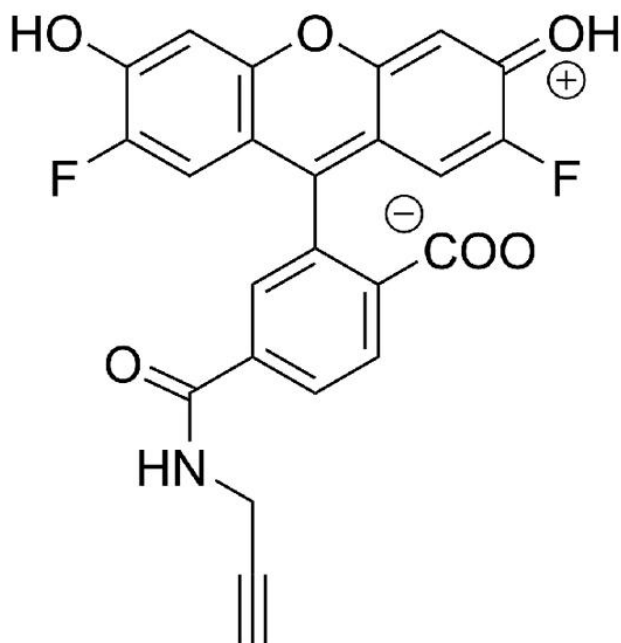




OG 488 ALKYNE

SKU: CCT-1397



DESCRIPTION

OG 488 Alkyne, (also known as Oregon Green® 488 Alkyne or 2',7'-Difluorocarboxyfluorescein Alkyne, 6-isomer) is a bright, green-fluorescent alkyne-activated probe routinely used for imaging of azide-containing biomolecules. OG 488 Alkyne reacts with azides via a copper-catalyzed click reaction (CuAAC) to form a stable triazole linker.

The fluorinated carboxyfluoresceins have higher photostability and ionize at a lower pH (pKa 4.8) than fluorescein (pKa 6.5), which makes them superior fluorescent dyes for use as reporter molecules in biological systems. The absorption and emission of OG 488 dye are virtually identical to widely used fluorescein dyes.

The combination of higher photostability, lower pKa, and excitation ideally suited to the 488 nm

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laser line makes OG 488 dye an ideal replacement for the widely used fluorescein dyes.

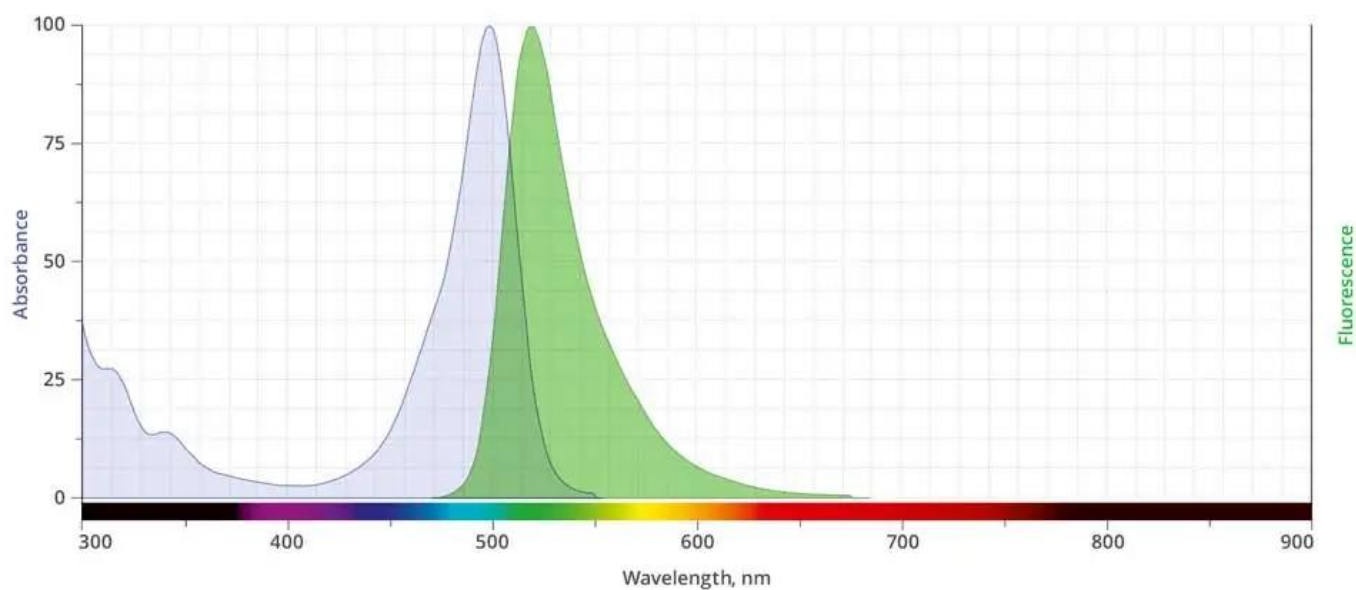
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SPECIFICATIONS

CAS Number	N/A
Molecular Weight	449.37
Appearance	Orange to red solid
Extinction Coefficient	84,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Fluorescein, Alexa Fluor® 488, Atto™ 488, CF® 488A dyes, DyLight® 488
Laser Line	488 nm
Excitation/Emission Maximum	496/524 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

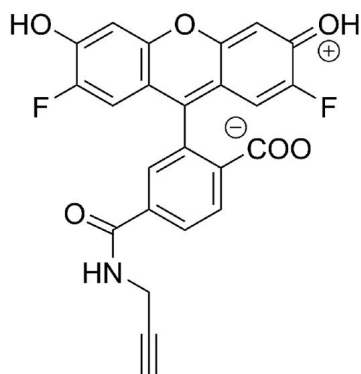
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DOCUMENTS

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

GALLERY IMAGES



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