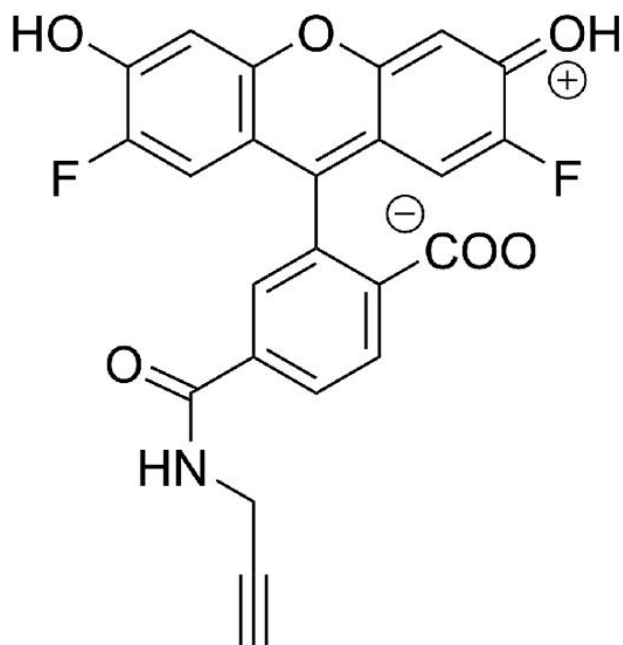


## OG 488 ALKYNE

SKU: CCT-1397



### Description

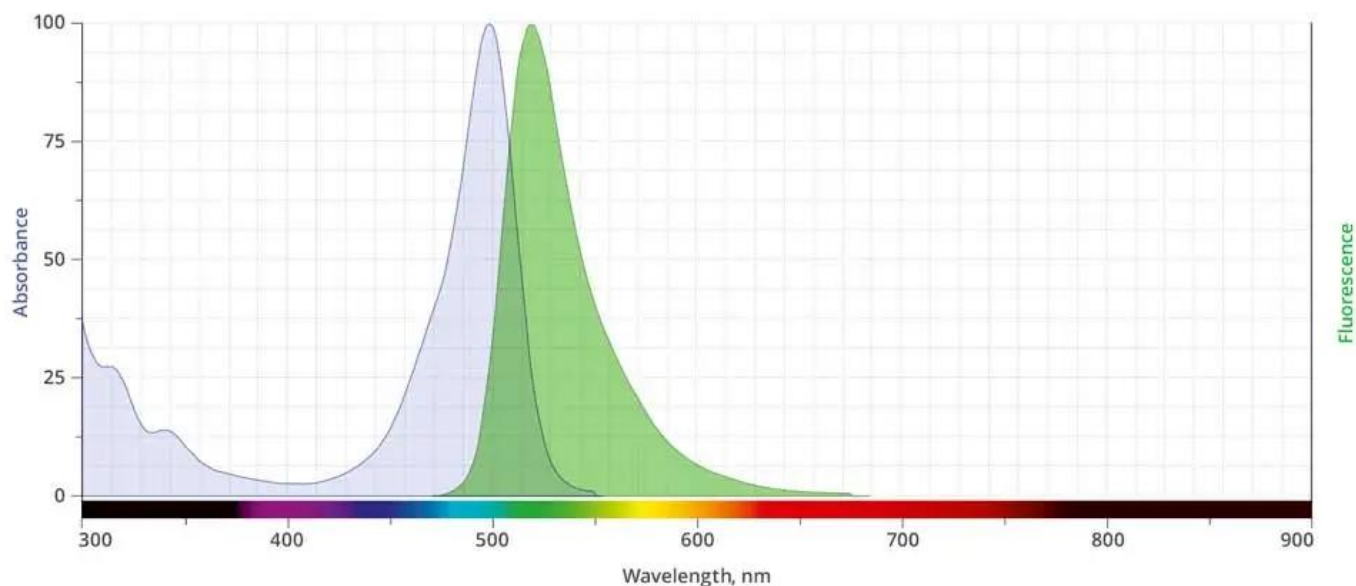
OG 488 Alkyne, (also known as Oregon Green® 488 Alkyne or 2',7'-Difluorocarboxyfluorescein Alkyne, 6-isomer) is a bright, green-fluorescent alkyne-activated probe routinely used for imaging of azide-containing biomolecules. OG 488 Alkyne reacts with azides via a copper-catalyzed click reaction (CuAAC) 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 laser line makes OG 488 dye an ideal replacement for the widely used fluorescein dyes.

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Abs/Em Spectra

## Specifications

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

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