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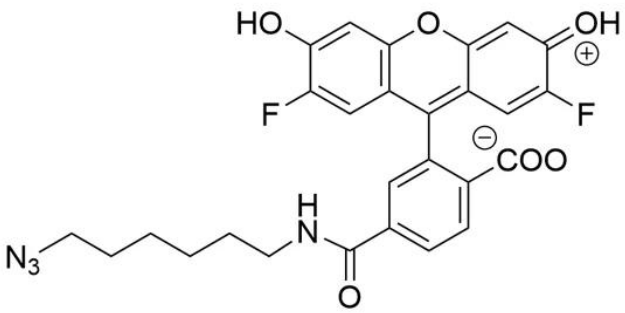
OG 488 AZIDE

SKU: CCT-1264



Description

OG 488 Azide, (also known as Oregon Green® 488 Azide or 2′,7′-Difluorocarboxyfluorescein Azide, 6-isomer) is a bright, green-fluorescent probe that reacts with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures.

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 replacements for the widely used fluorescein dye.

OG 488 Azide is structurally identical to Oregon Green® 488 Azide (Oregon Green® 6-Carboxamido-(6-Azidohexanyl), Triethylammonium Salt), 6-isomer, catalog number# O10180

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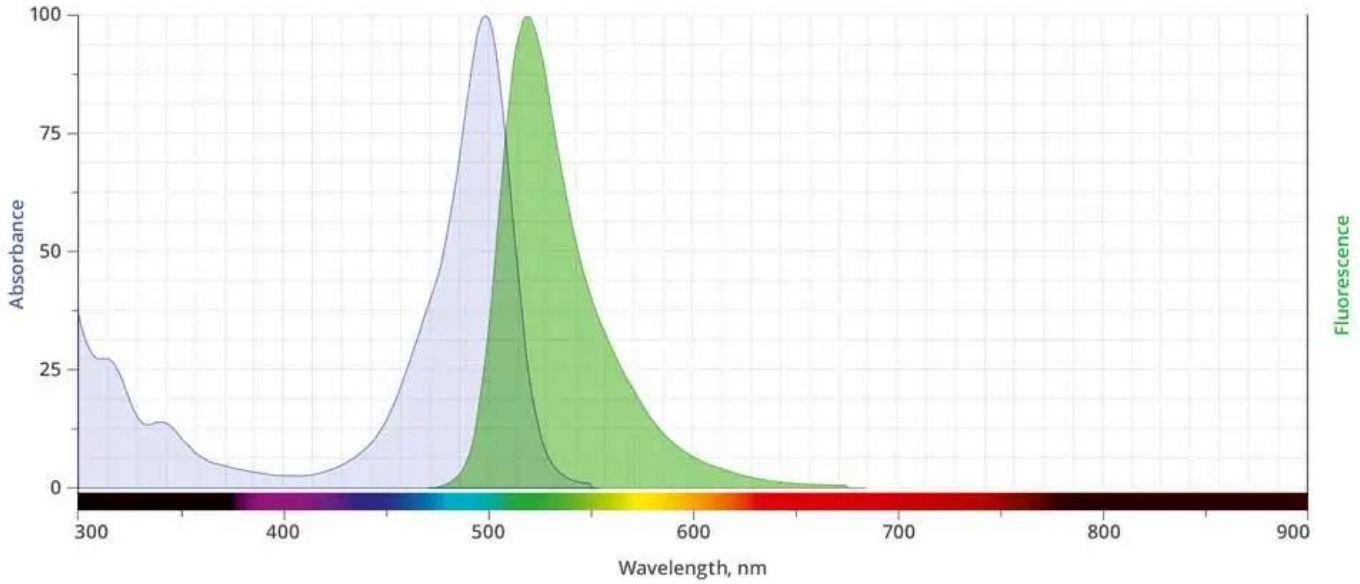

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Abs/Em Maxima	496/524 nm
Extinction Coefficient	84,200
Flow Cytometry Laser Line	488 nm
Microscopy Laser Line	488 nm
Spectrally Similar Dyes	Fluorescein, Alexa Fluor® 488, Atto™ 488, CF® 488A dyes, DyLight® 488
Molecular weight	536.49
CAS	N/A
Solubility	DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature

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