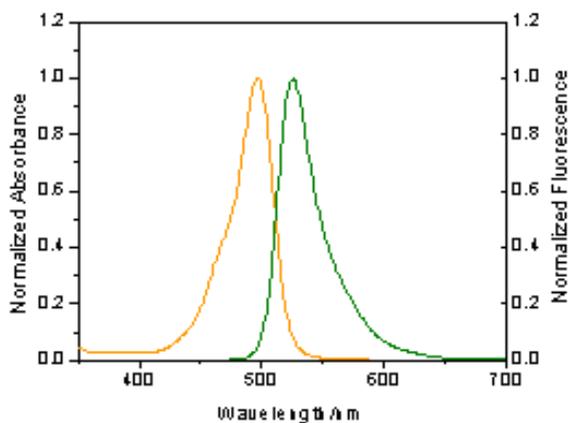




## Product Data Sheet

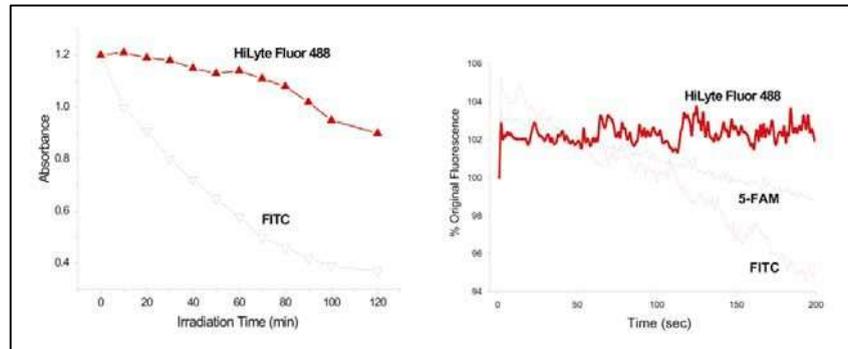
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Product Name:	HiLyte Fluor™ 488 amine, TFA Salt
Size:	1 mg
Catalog Number:	AS-81162
Molecular Weight:	530.45
Solvent:	DMF or DMSO
Product Description:	HiLyte Fluor™ 488 amine is a carbonyl-reactive fluorescent labeling dye. Fluorescence of HiLyte Fluor™ 488 fluorophore is not pH dependent at pH range between 4-10. This pH insensitivity is a major improvement over fluorescein, which emits its maximum fluorescence only above pH 9.
Spectra:	Maximum Ex/Em wavelength = 503/528 nm



**Photostability:**

HiLyte Fluor™ 488, 5-FAM and FITC photostability over time



**Stock Solution Preparation:**

Prepare 10 mg/ml dye stock solution in high quality anhydrous DMSO. Completely dissolve all dye content by vortexing. Dye solution should be prepared fresh, immediately before an experiment. Long-term storage in solution form may reduce dye activity. Any solution containing the dye should be protected from light.

**Shelf Life and Storage:**

Shelf life is two years if stored at -20C, desiccated and protected from light.

**Related Products:**

Catalog #	Product Name
AS-81160	HiLyte Fluor™ 488 acid
AS-81161-1 (1 mg)	HiLyte Fluor™ 488 acid,SE
AS-81161 (5 mg)	HiLyte Fluor™ 488 acid,SE
AS-81162	HiLyte Fluor™ 488 amine, TFA salt
AS-81163	HiLyte Fluor™ 488 hydrazide
AS-81164	HiLyte Fluor™ 488 C2 maleimide

This product is for *in vitro* research use only