

# Product Information

## CF™ Dye Alkyne

**Unit Size:** 0.5 mg

### Technical Summary

Cat. No.	CF™ Dye	Abs <sub>max</sub> (nm)	Em <sub>max</sub> (nm)	Extinction coefficient	MW
92093	CF™ 405M	408	452	41,000	~539
92086	CF™ 488A	490	515	70,000	~951
92087	CF™ 555	555	565	150,000	~938
92088	CF™ 568	562	583	100,000	~751
92089	CF™ 594	593	614	115,000	~766
92091	CF™ 640R	642	662	105,000	~869
92090	CF™ 647	650	665	240,000	~908
92095	CF™ 660C	667	685	200,000	~3149

### Storage and Handling

Store CF™ dye alkyne at -20°C, protected from light. Product is stable for at least 12 months from date of receipt if stored as recommended. Stock solution may be prepared in DMSO or dH<sub>2</sub>O and can be stored at ≤ -20°C for at least 12 months.

### Product Description

CF™ dye alkyne is a fluorescent dye with an alkyne group. Our CF™ dye alkyne are bright, extremely water-soluble and nontoxic. CF™ dye alkyne could react with azide to form 1,2,3-triazole by copper(I) catalyzed 1,3-dipolar Huisgen cycloaddition. It could also function as monomer that allows copolymerization with other monomers to form fluorescent polymer.

### Other Related Products

You may also be interested in the following related products from Biotium:

- A full selection CF™ reactive dyes and CF™ dye conjugates
- CF™ dye-labeled azides.

Please visit [www.biotium.com](http://www.biotium.com) to view our full selection of innovative products for life science research.

CF dye technology is covered by pending U.S. and international patents. Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use.