Biotium
Glowing Products for Science™

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Revised: January 16, 2014

Product Information

CF™ Dye / Biotin Azide

Unit Size: 0.5 mg for CF™ dye azide
1.0 mg for biotin azide

Technical Summary

Cat. No.	CF™ Dye	Abs_{max} (nm)	Em_{max} (nm)	Extinction coefficient	MW
92092	CF™405M	408	452	41,000	~583
92080	CF™488A	490	515	70,000	~996
92081	CF™555	555	565	150,000	~983
92082	CF™568	562	583	100,000	~796
92083	CF™594	593	614	115,000	~811
92085	CF™640R	642	662	105,000	~914
92084	CF™647	650	665	240,000	~1009
92094	CF™660C	667	685	200,000	~3194
92167	Biotin	---	---	---	~445

Storage and Handling

Store CF™ dye / biotin azide 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_2O and can be stored at ≤ -20°C for at least 12 months.

Product Description

CF™ dyes are Biotium's line of next generation fluorescent dyes with combined advantages in brightness, photostability, and water solubility. CF™ dye / biotin azide can react with alkyne to form 1,2,3-triazole by copper(I) catalyzed 1,3-dipolar Huisgen cycloaddition. It can also undergo Staudinger ligation with phosphine containing compounds.

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 alkynes.

Please visit 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.