Glowing products for science

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CF® Dye Tetrazine

CF® Dyes with a tetrazine group react with cyclooctene (TCO, methylcyclopropene) labeled molecules via copper-free click chemistry.

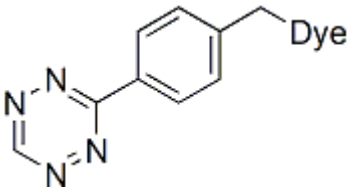
Product attributes

Chemical reactivity (reacts with)	Cyclooctene (TCO, methylcyclopropene) groups, TCO
Functional group	Tetrazine/Methyltetrazine
Storage Conditions	Store at -10 to -35 °C, Protect from light

Product Description

Tetrazine CF® Dyes react with cyclooctene (TCO, methylcyclopropene) labeled molecules via copper-free click chemistry. These copper-free bioorthogonal reactions are useful for labeling fixed cells or when there are concerns about native protein function loss with copper in cell extracts.

- Fluorescent labeling of cyclooctene (TCO, methylcyclopropene) groups on target molecules via copper-free bioorthonal chemistry.
- Faster reaction kinetics than methyltetrazine derivatives.
- Bright, photostable, and water-soluble CF® Dyes are excellent options for fluorescent labeling.



We also offer CF® Dye Methyltetrazines and CF® Dye TCO.

Superior CF® Dyes

Biotium's next-generation CF® Dyes were designed to be highly water-soluble with advantages in brightness and photostability compared to Alexa Fluor®, DyLight®, and other fluorescent dyes. Learn more about CF® Dyes. For more information download the CF® Dye Brochure.

CF® Dye Tetrazine

Dye	Ex/Em	Size	Catalog No.	Dye Features
CF®488A	490/516 nm	1 mg	96054	CF®488A Features
CF®568	562/584 nm	1 mg	96055	CF®568 Features
CF®647	650/668 nm	1 mg	96056	CF®647 Features
CF®660C	667/685 nm	1 mg	96096	CF®660C Features
CF®680	681/698 nm	1 mg	96097	CF®680 Features

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