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CF®DI Aminooxy

CF®DI Aminooxy derivatives are useful for fluorescently labeling aldehyde/ketone groups on biomolecules such as polysaccharides, glycoproteins or antibodies to generate size- and charge-matched conjugates.



Product attributes

Chemical reactivity (reacts with)	Aldehydes/ketones
Colors	Green, Orange-red, Far-red
Functional group	Aminooxy (hydroxylamine)
Storage Conditions	Store at -10 to -35 °C, Protect from light

Product Description

CF®DI aminooxy dyes react with aldehyde/ketone groups on proteins or other biomolecules to form a stable oxime bond. The CF®DI dyes (CF®488DI, CF®555DI and CF®647DI) are designed to match each other for molecular weight and charge. The molecular weights of the same protein conjugated to different CF®DI dye colors are close to each other and the pI of the labeled proteins remains the same.

- React with carbonyl moieties of aldehyde or ketone groups on proteins and other biomolecules.
- Size- and charge-matched fluorescent aminooxy dyes.
- Available in 3 colors for multiplex analysis.

We also offer our original CF® Dye Aminooxy with a wide selection of colors. CF® Dyes are next-generation fluorescent dyes with advantages in brightness, photostability, and water solubility compared to other commercially available fluorescent dyes. For more information, download the CF® Dye Brochure.

Product	Ex/Em	MW (g/mol)	Size	Catalog No.
CF®488DI Aminooxy	483/508 nm	~633	1 mg	92177
CF®555DI Aminooxy	547/572 nm	~639	1 mg	92178
CF®647DI Aminooxy	639/668 nm	~621	1 mg	92179

References

1. Organic Letters (2017) 19, 12: 3179-3182. DOI:10.1021/acs.orglett.7b01198

Download a list of CF® dye references.

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