

## CF®DI Aminoxy

CF®DI Aminoxy 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

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

## Product Description

CF®DI aminoxy 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 aminoxy dyes.
- Available in 3 colors for multiplex analysis.

We also offer our original [CF® Dye Aminoxy](#) 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 Aminoxy | 483/508 nm | ~633       | 1 mg | <a href="#">92177</a> |
| CF@555DI Aminoxy | 547/572 nm | ~639       | 1 mg | <a href="#">92178</a> |
| CF@647DI Aminoxy | 639/668 nm | ~621       | 1 mg | <a href="#">92179</a> |

## References

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

Download a list of [CF® dye references](#).

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