

## ATTO 514 acid

Catalog Number: 2862

Unit Size: 10 mg

### Product Details

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Storage Conditions	Freeze (< -15 °C), Minimize light exposure,
Expiration Date	12 months upon receiving

### Chemical Properties

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Appearance	Solid
Molecular Weight	753.64
Soluble In	DMSO

### Spectral Properties

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Excitation Wavelength	511 nm
Emission Wavelength	531 nm

### Applications

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ATTO 514 is a rhodamine-based fluorophore characterized by exceptional water solubility, strong absorption, high fluorescence quantum yield, and outstanding thermal and photo-stability. This makes it highly suitable for applications in single-molecule detection and high-resolution microscopy techniques such as PALM, dSTORM, and STED. Additionally, it finds utility in flow cytometry (FACS), fluorescence in-situ hybridization (FISH), and various scientific methodologies. ATTO 514 is hydrophilic and exhibits optimal fluorescence efficiency when excited within the 510-535 nm range, making it an ideal match for the 514 nm line of an Argon-Ion laser.