

## **Lumiprobe Corporation**

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USA

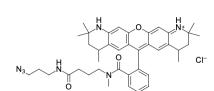
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## ATT 550 azide

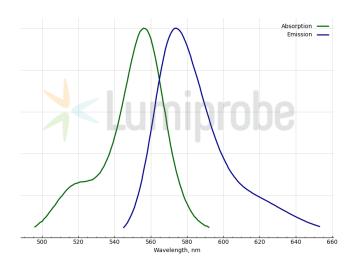
http://www.lumiprobe.com/p/atto-550-azide

ATT 550 dye azide for click chemistry conjugation with terminal alkynes via a <u>copper-catalyzed click reaction</u> or strained cyclooctynes via a <u>copper-free click reaction</u>.

ATT 550 is a yellow-fluorescent Rhodamine 6G and Rhodamine B-related dye with high fluorescence quantum yield, strong thermal and photostability, and excellent water solubility. ATT 550 is a cationic dye. After coupling to a substrate, the dye carries a net electrical charge of +1.



Structure of ATT 550 azide



Absorption and emission spectra of ATT 550

## **General properties**

Appearance: crimson crystals

Solubility: good in water, DMF, DMSO

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

## **Spectral properties**

Excitation/absorption maximum, nm: 556 Emission maximum, nm: 574