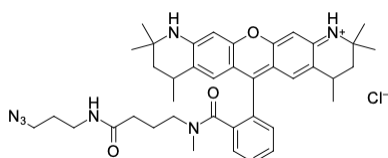


ATT 550 azide

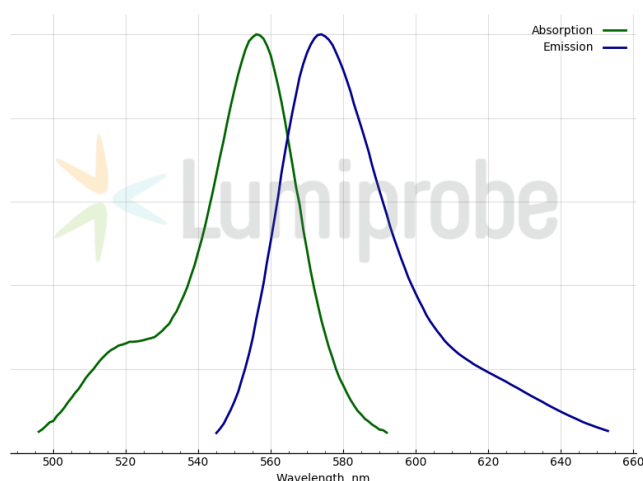
<http://www.lumiprobe.com/p/atto-550-azide>

ATT 550 dye azide for click chemistry conjugation with terminal alkynes via a [copper-catalyzed click reaction](#) or strained cyclooctynes via a [copper-free click reaction](#).

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
Molecular weight:	712.34
Molecular formula:	C ₄₀ H ₅₀ ClN ₇ O ₃
Solubility:	good in water, DMF, DMSO
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt 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
CF ₂₆₀ :	0.27
CF ₂₈₀ :	0.20