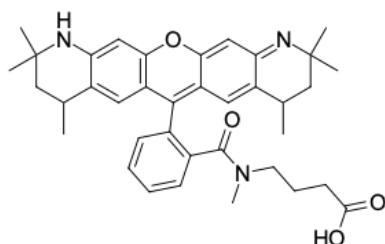


## ATT 550 carboxylic acid

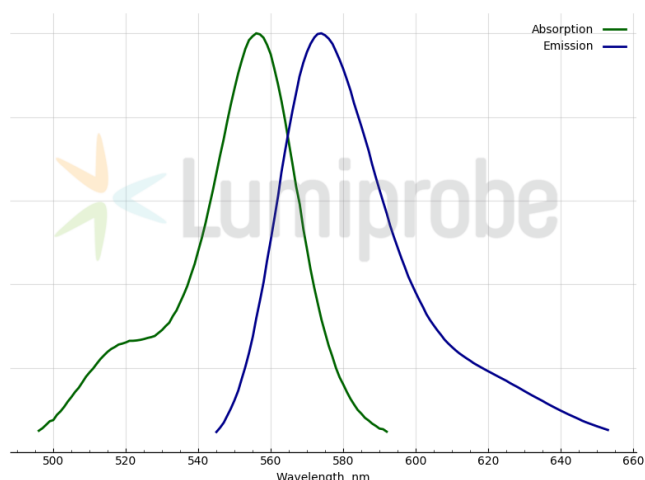
<http://www.lumiprobe.com/p/atto-550-carboxylic-acid>

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.

ATT 550 carboxylic acid is a non-reactive form of ATT 550 dye that can be used as a reference standard in experiments involving ATT 550 dye conjugates. Besides, the carboxylic group can react with hydrazines, hydroxylamines, and amines using carbodiimides such as EDAC.



**Structure of ATT 550 carboxylic acid**



**Absorption and emission spectra of ATT 550**

### General properties

Appearance:	dark reddish-brown crystals
Molecular weight:	593.77
Molecular formula:	C <sub>37</sub> H <sub>43</sub> N <sub>3</sub> O <sub>4</sub>
Solubility:	water, DMF, DMSO
Quality control:	NMR <sup>1</sup> 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