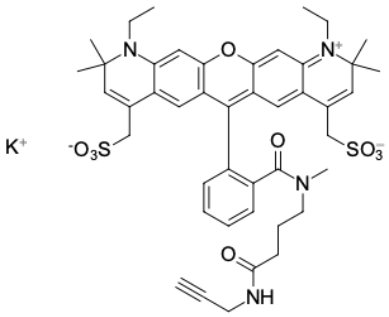
Lumiprobe Corporation
115 Airport Dr Suite 160
Westminster, Maryland 21157
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

ATT 594 alkyne

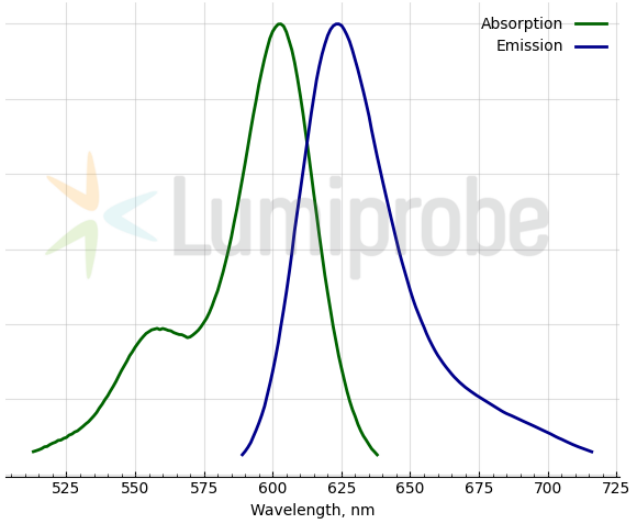
http://www.lumiprobe.com/p/atto-594-alkyne

ATT 594 alkyne is a bright orange-red fluorescent dye functionalized with a terminal alkyne group for copper-catalyzed azide—alkyne cycloaddition (CuAAC) reactions. The dye enables efficient and selective labeling of azide-modified biomolecules, including proteins, nucleic acids, glycans, and other biologically relevant targets.

The fluorophore exhibits high fluorescence intensity and good photostability, making it suitable for fluorescence microscopy, flow cytometry, and imaging applications requiring sensitive detection, such as super-resolution microscopy and single-molecule detection.



Structure of ATT 594 alkyne



Absorption and emission spectra of ATT 594

General properties

Appearance:	violet solid
Molecular weight:	881.12
Molecular formula:	$C_{44}H_{49}KN_4O_9S_2$
Solubility:	water, DMSO, DMF, methanol, ethanol
Quality control:	NMR ^1H 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. Avoid prolonged exposure to light.
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:	603
Emission maximum, nm:	624