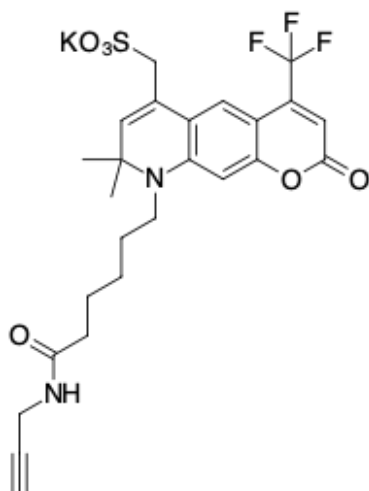


AF 430 alkyne

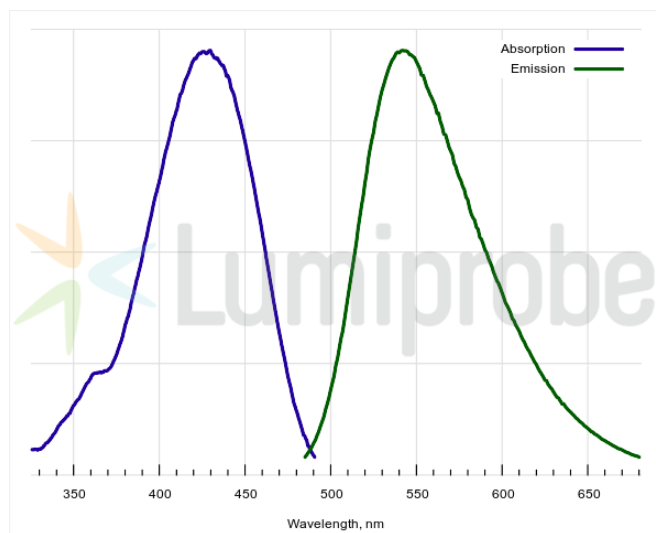
<http://www.lumiprobe.com/p/af-430-alkyne>

AF 430 is a sulfonated coumarin dye with emission in the yellow-green region of the spectrum that is useful for flow cytometry and antibody labeling. The fluorescence is constant in wide range of pH values.

This particular derivative contains a terminal alkyne group that is suitable for copper catalyzed CuAAC reaction.



Structure of AF 430 alkyne



Absorption and emission spectra of AF 430

General properties

Appearance:	orange solid
Molecular weight:	578.64
Molecular formula:	C ₂₅ H ₂₆ N ₂ F ₃ KO ₆ S
Solubility:	good in water, DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. 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:	430
ε, L·mol ⁻¹ ·cm ⁻¹ :	15955
Emission maximum, nm:	542
Fluorescence quantum yield:	0.23