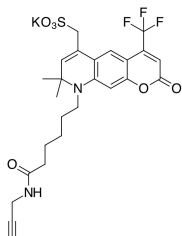


AF430 alkyne (A270016)

Specifications:

Name:	AF430 alkyne
Description:	AF430 (also known as Alexa Fluor [®] 430) is a sulfonated coumarin dye 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.
Absorption Maxima:	430 nm
Extinction Coefficient:	15955 M ⁻¹ cm ⁻¹
Emission Maxima:	542 nm
Fluorescence Quantum Yield:	0.23
CF ₂₆₀ :	0.06
CF ₂₈₀ :	0.06
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₂₅ H ₂₆ N ₂ F ₃ KO ₆ S
Molecular Weight:	578.64 kDa
Product Form:	Orange solid.
Solubility:	Good in water, DMF, and DMSO.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

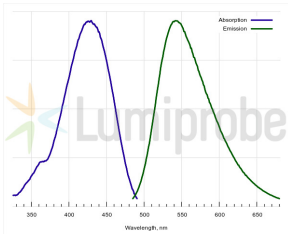
Images:



Structure of AF430 alkyne.

AF430 alkyne (A270016)

Images continued:



Absorption and emission spectra of AF430.