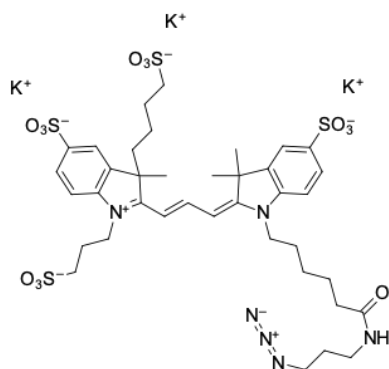


AF 555 azide

<http://www.lumiprobe.com/p/af-555-azide>

AF 555 dye azide for click chemistry conjugation with terminal alkynes via a [copper-catalyzed click reaction](#) or strained cyclooctynes via a [copper-free click reaction](#).

AF 555 is a hydrophilic fluorophore with high fluorescence quantum yield and high photostability, an alternative to tetramethylrhodamine (TAMRA, TMR) or Cyanine3 dyes. The dye is useful for many applications, including cytometry and microscopy.



Structure of AF 555 azide

General properties

Appearance:	dark red solid
Molecular weight:	1043.40
Molecular formula:	$C_{38}H_{49}K_3N_6O_{13}S_4$
Solubility:	good in water, DMF, DMSO
Quality control:	NMR 1H 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. 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:	552
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	152000
Emission maximum, nm:	566
Fluorescence quantum yield:	0.14