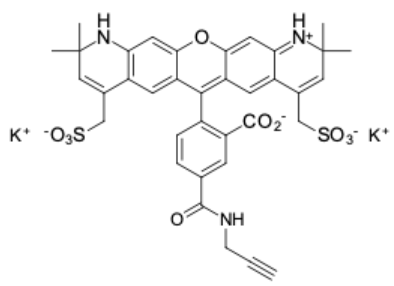
Lumiprobe Corporation
201 International Circle, Suite 135
Hunt Valley, Maryland 21030
USA
Phone: +1 888 973 6353
Fax: +1 888 973 6354
Email: order@lumiprobe.com

AF 568 alkyne

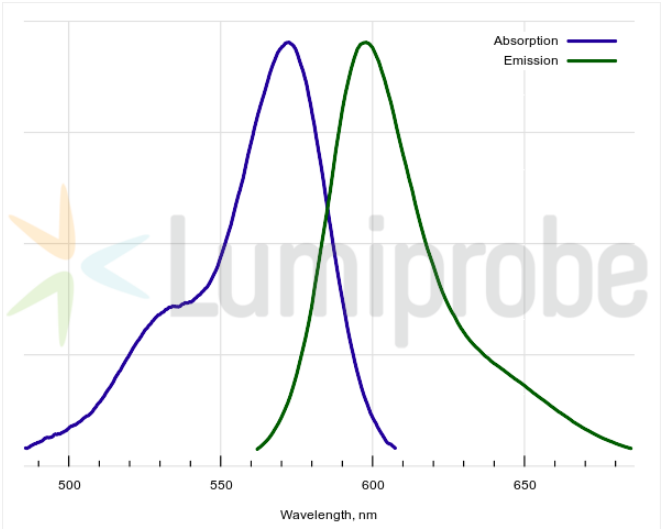
http://www.lumiprobe.com/p/af-568-alkyne

AF 568 alkyne derivate is an effective tool for labeling purposes. It is easily detected in the ROX channel with a high signal-to-noise ratio in different biological samples. Besides, AF 568 alkyne is water soluble and insensitive to pH changes between pH 4 and pH 10. Mild reaction conditions are suitable for most biomolecules, cells, and tissues.

Bioconjugation with AF 568 alkyne presents a powerful technique for the production of fluorescently labeled biomolecules. AF 568 alkyne is recommended for visualization procedures, including fluorescence microscopy, flow cytometry, and other applications where label brightness and photostability are required.



Structure of AF 568 alkyne, 5-isomer



Absorption and emission spectra of AF 568

General properties

Appearance:	violet powder
Mass spec M+ increment:	731.2
Molecular weight:	807.97
Molecular formula:	$C_{36}H_{31}N_3K_2O_{10}S_2$
Solubility:	good in water, DMF, DMSO
Quality control:	NMR ^1H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receival 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:	572
ε, $L \cdot mol^{-1} \cdot cm^{-1}$:	94238
Emission maximum, nm:	598
Fluorescence quantum yield:	0.912
CF_{260}:	0.4
CF_{280}:	0.32