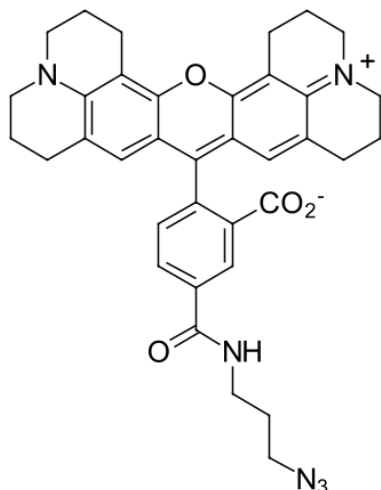


ROX azide, 5- isomer

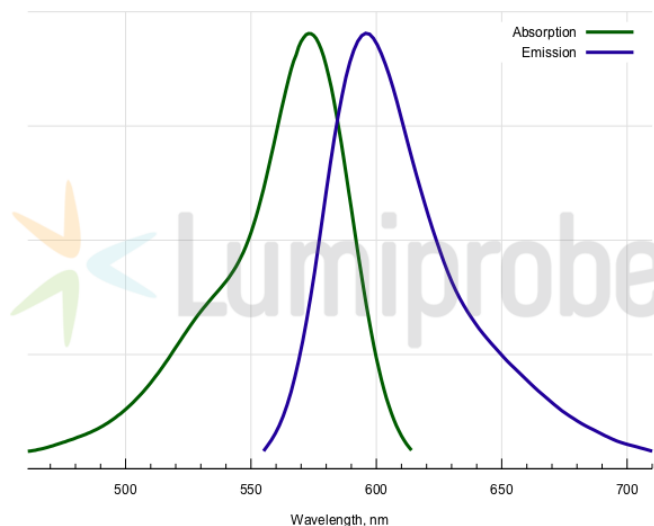
ROX (rhodamine-X) azide, solid material, and 10 mM solution in DMSO, labeling reagent for Click Chemistry. ROX is a red-emitting rhodamine dye possessing high brightness and fluorescence quantum yield.

Pure 5-isomer.

Can replace Alexa Fluor 568.



Structure of ROX azide, 5-isomer



Absorption and emission spectra of ROX dye

General properties

Appearance:	dark crimson powder / red solution
Molecular weight:	616.71
Molecular formula:	$C_{36}H_{36}N_6O_4$
Solubility:	good in polar organic solvents (DMF, DMSO, alcohols), low in water
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at $-20^{\circ}C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	570
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	93000
Emission maximum, nm:	591
Fluorescence quantum yield:	1.0