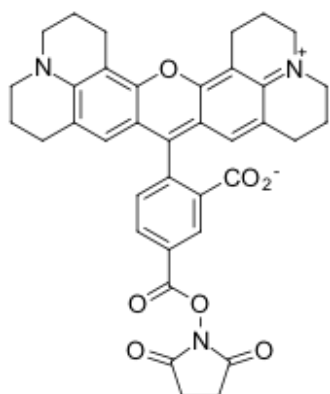


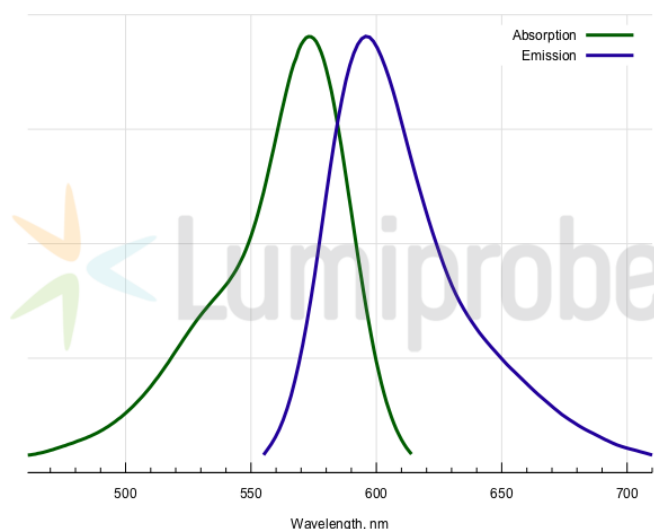
ROX NHS ester, 5-isomer

<http://www.lumiprobe.com/p/rox-nhs-ester-5>

ROX (rhodamine X) is a bright rhodamine dye for ROX channel. Carboxy rhodamines come as two isomers. This product is a derivative of pure 5-carboxy-ROX.



Structure of ROX NHS ester, 5-isomer



Absorption and emission spectra of ROX dye

General properties

Appearance:	dark red solid
Mass spec M+ increment:	516.2
Molecular weight:	631.67
CAS number:	209734-74-7; 344402-35-3
Molecular formula:	C ₃₇ H ₃₃ N ₃ O ₇
Solubility:	good in DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (80%)
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Spectral properties

Excitation/absorption maximum, nm:	570
ε, L·mol ⁻¹ ·cm ⁻¹ :	93000
Emission maximum, nm:	591
Fluorescence quantum yield:	1.0
CF ₂₆₀ :	0.62
CF ₂₈₀ :	0.49