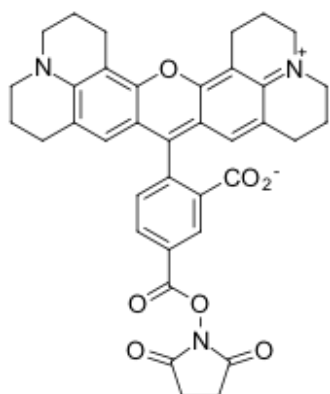


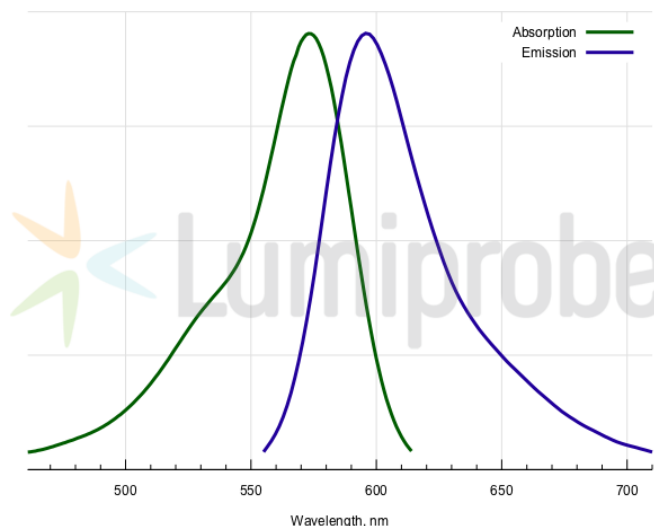
ROX NHS ester, 5-isomer

<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.
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:	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