

Lumiprobe Corporation

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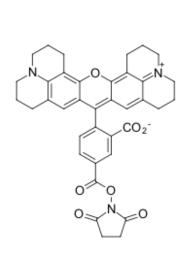
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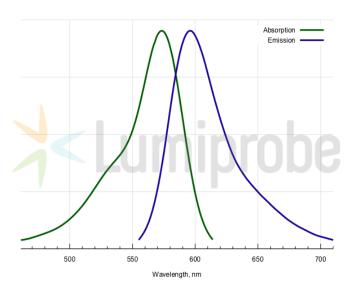
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ROX NHS ester, 5-isomer

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: $C_{37}H_{33}N_3O_7$

Solubility: good in DMF, DMSO

Quality control: NMR ¹H, HPLC-MS (80%)

Storage conditions: Storage: 12 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: 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