

Lumiprobe Corporation

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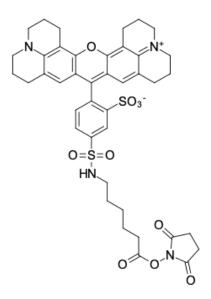
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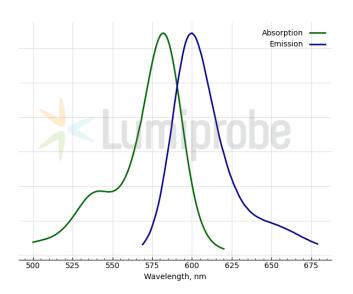
TR-X-NHS ester, 5-isomer

http://www.lumiprobe.com/p/tr-x-nhs-ester-5

TR is a sulfonated analog of ROX dye with similar spectral properties and emission in the red region of the spectrum. This derivative is a dye with an aminohexanoic acid linker that provides spacing between the fluorophore and the biomolecule to prevent undesired interactions.

NHS ester is reactive towards amine groups that are ubiquitous in proteins, peptides and other labeling targets.





Structure of TR-X-NHS ester, 5-isomer

Absorption and emission spectra of TR

General properties

Appearance: dark colored solid

Molecular weight: 816.95

CAS number: 178623-11-5 Molecular formula: $C_{41}H_{44}N_4O_{10}S_2$

Solubility: good in polar organic solvents

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 12 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. 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: 582 ϵ , L·mol⁻¹·cm⁻¹: 98000 Emission maximum, nm: 600 Fluorescence quantum yield: 0.79