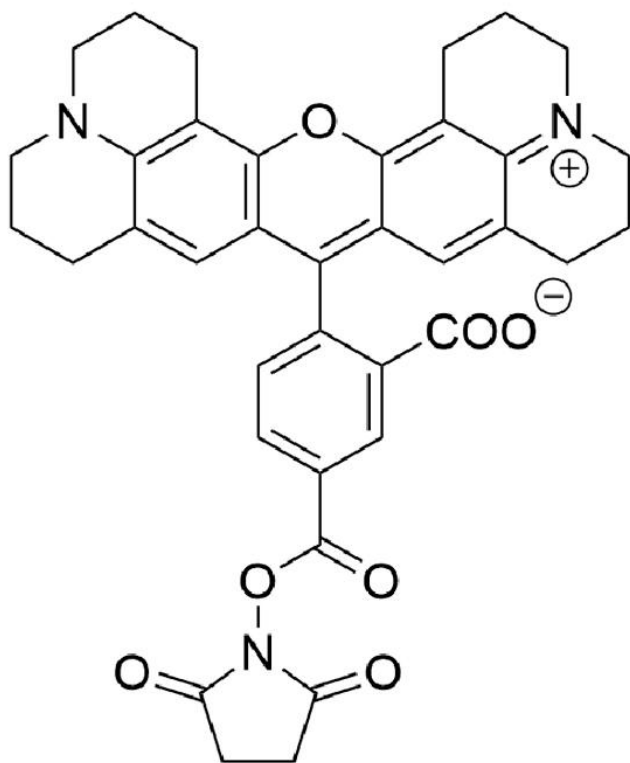


5-ROX NHS ESTER

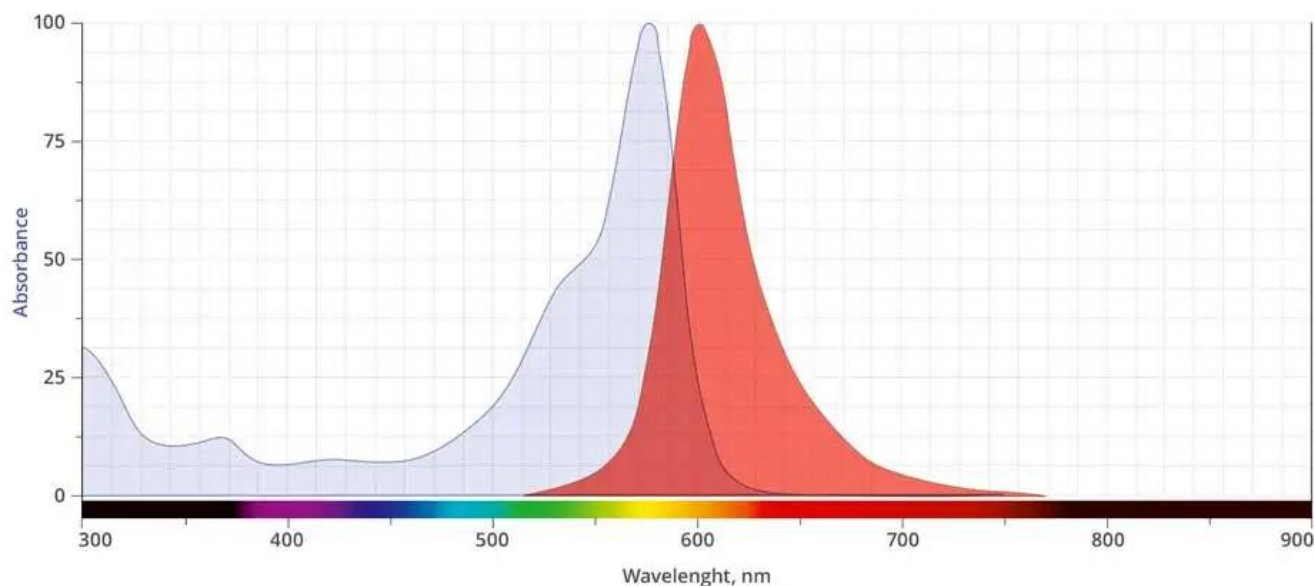
SKU: FP-1274



Description

5-Carboxy-X-rhodamine N-succinimidyl ester (5-ROX NHS Ester) is used as an amine coupling reagent to form 5-carboxy-X-rhodamine (ROX) derivatized compounds such as proteins, nucleic acids and drugs that may be analyzed by fluorescence resonance energy transfer (FRET) and fluorescence quenching applications. Labeling reagent for preparation of charge-modified dye-labeled ddNTPs to “direct-load” DNA sequencing. Conjugates of this dye have longer-wavelength spectra than the spectra of Lisaamine™ rhodamine B conjugates, but somewhat shorter-wavelength spectra than those of Texas Red™ conjugates.

For research use only. Not intended for animal or human therapeutic or diagnostic use.



Abs/Em Spectra

Specifications

Unit Size	25 mg, 100 mg, 1000 mg
Reactivity	Primary amines
Abs/Em Maxima	582/606 nm
Extinction coefficient	93,000 cm ⁻¹ M ⁻¹
Solubility	DMSO, DMF, MeOH
Spectrally similar dyes	Alexa Fluor® 568, TAMRA, CF™ 568
CAS	209734-74-7
Molecular weight	631.69
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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