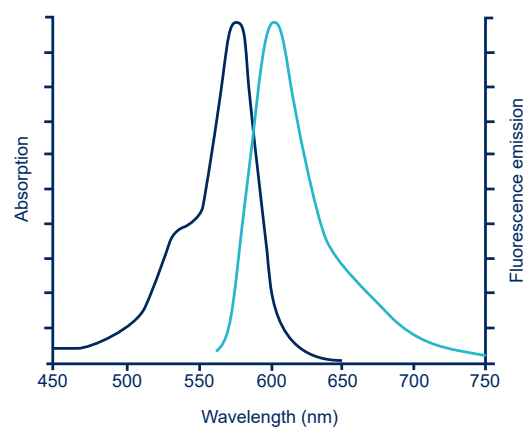


FT-47253A

ROX labeling agents

- RhodamineX (ROX) generally refers to the rhodamine dyes that are derived from julolidines. ROX dye has longer excitation and emission wavelengths ($\lambda_{exc}/\lambda_{em}$: ca 566/600nm) than other "conventional" rhodamines such as TAMRA, CR6G, CR110. EC: 80 000Mol⁻¹cm⁻¹.
- They are available as different derivatives for conjugation by conventional biochemistry methods.
 - SE, for Amine-reactivity
 - MTS and Maleimide, for thiol reactivity
 - carboxylic acid salts, for organic chemistry



Product name	cat.number	MW (g·mol ⁻¹)	$\lambda_{exc}/\lambda_{em}$ max. (nm)	Solubility	Storage
ROX, SE Carboxy-X-rhodamine, succinimidyl ester	FP-96292A, 5mg	C ₃₇ H ₃₃ N ₃ O ₇ MW: 631.7	568/595nm (MetOH)	DMSO or DMF	(M)
5-ROX, SE 5-Carboxy-X-rhodamine, succinimidyl ester (single isomer)	FP-68336A, 5mg				
6-ROX, SE 6-Carboxy-X-rhodamine, succinimidyl ester (single isomer)	FP-47253A, 5mg ^(a)	CAS: [216699-36-4]			
5-ROX, azide 5-Azido-X-rhodamine, succinimidyl ester (single isomer)	FP-1B2391, 5mg	C ₃₆ H ₃₆ N ₆ O ₄ MW: 616.71	570/591m 82 000M ⁻¹ cm ⁻¹	DMSO, DMF, MeOH	(M)
ROX-C5-Maleimide 5(6)-Carboxy-X-rhodamine-C5-maleimide Thiol-reactive	FP-AK306A, 5mg	C ₄₂ H ₄₂ N ₄ O ₆ MW: 698.83	568/595nm	DMSO or DMF	(M)
ROX, MTS MethaneThioSulfonate-5(6)carboxy-X-rhodamine	FP-58296A, 5mg	C ₃₆ H ₃₇ N ₃ O ₆ S ₃ MW: 671.84	568/595nm	DMSO or DMF	(M)
ROX, NH3 salt Carboxy-X-Rhodamine triethylammonium	FP-AM395A, 25mg	C ₃₉ H ₄₅ N ₃ O ₅ MW: 635.81	568/593nm (MetOH) 113 000M ⁻¹ cm ⁻¹ (MeOH)	DMSO, DMF, MeOH, or H ₂ O (pH>6)	(R)
5-ROX, NH3 salt 5-Carboxy-X-Rhodamine triethylammonium)	FP-M1307A, 10mg				(R)
6-ROX, NH3 salt 6-Carboxy-X-Rhodamine triethylammonium)	FP-AM396A, 10mg				(R)
6-ROX, free acid	FP-M1319A, 10mg	C ₃₃ H ₃₀ N ₂ O ₅ MW: 534.6	568/595 nm	DMSO, DMF, MeOH,	(M)

* $\lambda_{exc}/\lambda_{em}$ and EC after coupling | (a) also available as item # FP-BZ6521, 100 μ l in dry DMSO at 83mg/ml (0.13M)
(M): Store at -20°C and protect from light (M) | (R): Room temperature and protect from light (R)

