

FLUORESCENT DYES

Catalog Number	Fluorophore	Spectral Properties of Adducts ¹		Conjugation Conditions		
		λ_{ab} (in nm)	λ_{em} (in nm)	Reactive Group ²	Solvents to Dissolve Dye ³	Optimal pH ⁴
81202	Fluorescamine	384	485	Amine-reactive	DMF/DMSO	9.0-10.0
81206	7-Hydroxycommarin-3-carboxylic acid, SE	386	448	Amine-reactive	DMF/DMSO	9.0-10.0
81208	AMCA-X, SE	354	442	Amine-reactive	DMF/DMSO	9.0-10.0
81408	SBD-Cl	374	500 (SH) ⁵	Thiol-reactive	DMF/DMSO	8.5-9.5
81409	SBD-F	374	500 (SH) ⁵	Amine- & Thiol-reactive	DMF/DMSO	7.5-8.5
81401	ABD-F	376 (SH) ⁵ 425 (NH ₂) ⁵	510 (SH) ⁵ 570 (NH ₂) ⁵	Thiol-reactive Amine-reactive	DMF/DMSO	7.5-8.5 8.5-9.5
81003	5-FAM	492	518	Carboxy group	DMF/DMSO	
81004	6-FAM	492	515	Carboxy group	DMF/DMSO	
81007	5-FAM, SE	494	522	Amine-reactive	DMF/DMSO	8.0-9.0
81008	6-FAM, SE	494	520	Amine-reactive	DMF/DMSO	8.0-9.0
81005	5-FITC	493	517	Amine-reactive	DMF/DSMO	9.0-10.0
81010	6-FITC	494	518	Amine-reactive	DMF/DSMO	9.0-10.0
81406	5-IAF	491	516	Thiol-reactive	DMF/DSMO	8.5-9.5
81405	Fluorescein-5-maleimide	492	517	Thiol-reactive	DMF/DSMO	8.5-9.5
81001	5-DTAF	493	519	Amine-reactive	DMF/DSMO	8.5-9.5
81012	6-DTAF	494	520	Amine-reactive	DMF/DSMO	8.5-9.5
81502	5-FAM cadaverine	494	521	Amino group	DMF/DSMO	
81503	5-FAM lysine	494	521	Amino group	DMF/DSMO	
81504	5-FITC cadaverine	494	522	Amino group	DMF/DSMO	
81505	5-FTSC	492	516	Amino group	DMF/DSMO	
81201	Dansyl chloride	333	518	Amine-reactive	DMF	9.0-10.0
81501	Dansyl cadaverine	333	518	Amino group	DMF/DSMO	
81203	NBD-Cl	466 (NH ₂) 520 (SH)	533 (NH ₂) 520 (SH)	Amine- & Thiol-reactive	DMF/DSMO	8.5-9.5
81204	NBD-F	466 (NH ₂) 520 (SH)	533 (NH ₂) 520 (SH)	Amine- & Thiol-reactive	DMF/DSMO	7.5-8.5
81102	5-CR 6G	520	546	Carboxy group	DMF/DSMO	
81103	6-CR 6G	518	543	Carboxy group	DMF/DSMO	
81105	5-CR 6G, SE	521	545	Amine-reactive	DMF/DSMO	8.0-9.0
81106	6-CR 6G, SE	518	544	Amine-reactive	DMF/DSMO	8.0-9.0
81121	5-TAMRA	542	568	Carboxy group	DMF/DMSO	
81122	6-TAMRA	540	564	Carboxy group	DMF/DMSO	
81125	5-TAMRA, SE	546	574	Amine-reactive	DMF/DMSO	8.0-9.0
81126	6-TAMRA, SE	544	571	Amine-reactive	DMF/DMSO	8.0-9.0
81410	5-TMRIA	544	568	Thiol-reactive	DMF/DMSO	7.5-8.5
81411	6-TMRIA	543	568	Thiol-reactive	DMF/DMSO	7.5-8.5
81507	5-TMR cadaverine	545	576	Amino group	DMF/DMSO	
81508	6-TMR cadaverine	544	575	Amino group	DMF/DMSO	
81509	5-TMR lysine	545	577	Amino group	DMF/DMSO	
81111	5-ROX	567	591	Carboxy group	DMF/DMSO	
81112	6-ROX	570	591	Carboxy group	DMF/DMSO	
81114	5-ROX, SE	571	597	Amine-reactive	DMF/DMSO	8.0-9.0
81115	6-ROX, SE	473	598	Amine-reactive	DMF/DMSO	8.0-9.0
81108	Lissamine™ Rhodamine B	560	581	Amine-reactive	DMF	9.0-10.0
81130	Texas Red®	582	600	Amine-reactive	DMF	9.0-10.0
81510	Texas Red® Cadaverine	583	601	Amino group	DMF/DMSO	
81511	Texas Red® lysine	583	600	Amino group	DMF/DMSO	

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