Übersicht der reaktiven Fluoreszenzfarbstoffe

Fluorophor: $R^1 \diagdown R^2$	Abs. max. (nm)	Em. max. (nm)	NHS esters	TFP esters	Azides	Alkynes	Cycloalkynes	Tetrazines	Cycloalkenes	Hydrazides	Amines	Maleimides	Carboxylic acids	Phosphoramidites
	ReaktiveGruppe:													
	Reaktions-partner:													
Pyrene	242	377	63520		•3530 •2530 •1530	•15B0				•3570		•3580	63590	•1460
PEP (Phenylethynyl-pyrene)	362 384	389			•4530									
Perylene	410 434	436 465			•5530	•55B0								
AMCA	345	450	3606•		3605•								3357•	
AF 343 (Coumarin)	437	477	•2620		•1630 •2630								•2690	
BDP® FL	503	509	•1420		•1430	•14B0	•14F0	•14E0		•1470	•14C0	•1480	•1490	
AF 488	495	519	•1820	•18T0	•1830	•18B0	•18F0	•18E0	•18H0	•1870	•18C0	•1880	•1890	
FAM (Fluorescein)	494	520	•5120 2934•		•5130 •4130	•41B0 •51B0	•51F0	•41E0 •51E0		•5170 •4170	•51C0 •41C0	•4180		•5160 •3460 2639•
TET (Tetrachlorofluorescein)	519	535			•8230								•8290	•8160
AF 430	430	542	•0820		•0830	•08B0		•08E0		•0870	•08C0	•0880	•0890	
VIC	526	543			•H230								•H290	•H260
R6G	519	546	•4220		•4430	•52B0								•5260
BDP® R6G	527	547	•4420		1476•	•44B0	•44F0	•44E0		•4470	•44C0	•4480	•4490	
HEX (Hexachlorofluorescein)	533	549	2B220		•B230								•B290	•B260
JOE	533	554	•1120		•1130	•21B0								•2160 •1160
AF 532	532	554	•C820										•C890	
SIMA (Dichloro-diphenyl-fluorescein)	531	555			•E230								•E290	•3360 2950• •E260
sulfo-Cyanine3	548	563	•1320		•1330	•13B0	•13F0	•13E0		•1370	•13C0	•1380	•1390	
TAMRA (TMR, Tetramethylrhodamine)	556	563	•8120 •7120		•7130 •8130	•71B0 •81B0	•71F0			•8170	•71C0	•8180 •7180	•7190	2497• 2318•
AF 555	552	566	•K820		•K830		•K8F0						•K890	
BDP® 558/568	561	569	•7420		•7430	•74B0	•74F0	•74E0		•7470	•74C0	•7480	•7490	
Cyanine3	555	570	•B041 •1020		•1030	•10B0	•10F0 3269•	•10E0		•1070	•10C0	•1080	•1090	2771•
Cyanine3B	559	571	•9320		•9330		•93F0	•93E0			•93C0	•9380	2321•	
BDP® TMR	542	574	•2420 •F420		•2430	•24B0	•24F0	•24E0			•24C0	•2480	•2490	
ATT 550	556	574	•C920		•C930								•C990	
BDP® 564/570	565	574	•H420										•H490	
ATT 565	554	578			•A930									
ROX (Rhodamine X, Rhodamine 101)	570	591	•1220 •2220		•1230 •2230	•22B0 •12B0	•12F0	•12E0			•22C0	•1280	•2290	
BDP® 576/589	580	592	•G420		•G430			•G4E0					•G490	
BDP® 581/591	585	594	•6420		•6430	•64B0	•64F0	•64E0		•6470	•64C0	•6480	•6490	
AF 568	572	598	•4820		•5820	•48B0	•158F0						•5890	
sulfo-Cyanine3.5	576	603	•2320		•2330	•23B0					•23C0		•2390	
Cyanine3.5	591	604	•2020		•2030		•20F0						•2090	
Calibro® Fluor 610	585	605											•4C90	
AF 594	586	613	•2825		•7830			•78E0					•4890	
TR	596	615	•V220		•Y230					•Y270			•V290	
BDP® TR	589	616	•3420 •D420		•3430	•34B0	•D4F0	•34E0		•3470	•34C0	•3480	•3490	
ATT 594	603	624			•B930								•B990	
BDP® 630/650	628	642	•5420		•5430	•54B0		•54E0		•5470	•54C0	•5480	•5490	
ATT 633	630	650			•D930									

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Fluorophor:	Abs. max. (nm)	Em. max. (nm)	NHS esters	TFP esters	Azides	Alkynes	Cycloalkynes	Tetrazines	Cycloalkenes	Hydrazides	Amines	Maleimides	Carboxylic acids	Phosphoramidites
	Reaktions-partner:													
sulfo-Cyanine5	646	662	1058• •33D0 •3320		•3330	1058• •33B0	•33F0	•33E0		•3370	•33C0	•3380	•3390	
Cyanine5	646	662	•3020 •C041		•0	•30B0	•30F0	•30E0		•3070	•30C0	•3080	•3090	1740•
BDP® 650/665	646	662	•E420		•8430	•84B0	•E4F0					•8480		
ATT 647N	644	662	•E920											
AF 647	655	680	•6820		•6830		•G8F0					•6880	•6890	
sulfo-Cyanine5.5	673	691	•7320		•7330	•73B0	•73F0	•73E0			•73C0	•7380	•7390	
Cyanine5.5	684	710	•7020		•4030	•70B0	•70F0	•70E0		•7070	•70C0	•7080	•7090	2680•
sulfo-Cyanine7	750	773	•53D0 •5320		•5330	•53B0	•53F0	•53E0			•53C0	•5380	1497• •5390	
Cyanine7	750	773	•5020		•5030	•50B0	•50F0	•50E0		•5070	•50C0	•5080	1512• •5090	
sulfo-Cyanine7.5	778	797	•6320		•6330	•63B0					•63C0	•6380	•6390 1382•	
Cyanine7.5	788	808	•6020		•6030	•60B0		•60E0		•6070	•60C0	•6080	•6090	
ICG (Indocyanine Green)	787	819										•8080		

• The dot represents the part of the product number which indicates the package size.

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