《荧光素-反应基团选择指南》

Lumiprobe
Life science solutions

荧光素（基团） R1 \ R2	反应目标 Ex. max. (nm)	反应目标 Em. max. (nm)	NHS脂 NHS esters 伯胺（多肽，蛋白质，氨基标记DNA）	叠氮化物 Azides 乙炔基（点击化学）	炔烃 Alkynes 叠氮化物（点击化学）	马来酰亚胺 Maleimides 巯基（多肽，蛋白质）	酰肼 Hydrazides 羰基（醛，酮）	羧酸 Carboxylic acids 各种（Steglich酯化）	胺 Amines 亲电试剂（如活性酯）	四嗪 Tetrazines 应变亲二烯体（反式环辛烯，环丙烯）	亚磷酰胺 Phosphoramidites DNA（寡核苷酸合成）	环炔 Cycloalkynes 叠氮化物（无铜点击化学）
Pyrene	320 376	380	•3520	•1530 •2530 •3530	•15B0	•3580	•3570	•3590			•1460	
Phenylethynyl pyrene (PEP)	362 384	389		•4530								
Perylene	410 434	436 465		•5530	•55B0							
Coumarin 343	437	477	•2620	•1630 •2630				•2690				
BDP FL	503	509	•1420	•1430	•14B0	•1480	•1470	•1490	•14C0	•14E0		•14F0
AF488	495	519	•1820									
Fluorescein (FAM)	494	520	•5120	•5130 •4130	•41B0 •51B0	•4180	•5170 •4170		•51C0 •41C0	•51E0 •41E0	•5160	•51F0
R6G	519	546		•4430	•52B0						•5260	
BDP R6G	527	547	•4420	1476•	•44B0	•4480	•4470	•4490	•44C0	•44E0		•44F0
JOE	533	554		•1130	•21B0						•1160	
sulfo-Cyanine3	548	563	•1320	•1330	•13B0	•1380		•1390	•13C0	•13E0		•13F0
TAMRA (TMR)	556	563	•7120	•7130 •8130	•71B0 •81B0	•8180 •7180	•8170		•71C0			
BDP 558/568	561	569	•7420	•7430	•74B0		•7470	•7490	•74C0			
Cyanine3	555	570	•1020 •B041	•1030	•10B0	•1080	•1070	•1090	•10C0	•10E0		•10F0
BDP TMR	542	574	•2420	•2430	•24B0	•2480		•2490	•24C0			
ROX (Rhodamine X, Rhodamine 101)	570	591	•2220 •1220	•1230	•12B0	•1280						•12F0
BDP 581/591	585	594	•6420	•6430	•64B0	•6480	•6470	•6490	•64C0	•64E0		•64F0
Sulfo-Cyanine3.5	576	603	•2320									
Cyanine3.5	591	604	•2020	•2030				•2090				
BDP TR	589	616	•3420 •D420	•3430	•34B0	•3480	•3470	•3490	•34C0	•34E0		
BDP 630/650	628	642	•5420	•5430		•5480	•5470	•5490	•54C0	•54E0		
Cyanine5	646	662	•3020 •C041	•3030	•30B0	•3080	•3070	•3090	•30C0	•30E0		•30F0
sulfo-Cyanine5	646	662	•3320 •33D0	•3330	•33B0	•3380		•3390	•33C0	•33E0		•33F0
BDP 650/665	646	662	•E420	•8430	•84B0							
sulfo-Cyanine5.5	675	694	•7320	•7330	•73B0	•7380		•7390	•73C0			•73F0
Cyanine5.5	673	707	•7020	•4030	•70B0	•7080	•7070	•7090	•70C0	•70E0		•70F0
sulfo-Cyanine7	750	773	•5320 •53D0	•5330	•53B0	•5380		•5390 1497•	•53C0	•53E0		
Cyanine7	750	773	•5020	•5030	•50B0	•5080	•5070	•5090 1512•	•50C0	•50E0		•50F0
sulfo-Cyanine7.5	778	797	•6320	•6330	•63B0	•6380		•6390 1382•				
Cyanine7.5	788	808	•6020	•6030	•60B0	•6080	•6070	•6090	•60C0	•60E0		

• 数字前后点，代表了不同的规格与形式，欢迎垂询艾美捷客服了解产品信息。

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