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Saturable Absorber and Solvent Catalog Number		Mode Locked Dye (Solvent)	Tuning Range(nm)	Pump Source Reference	Shortest Duration Pulse(ps)
DASPI 04620	Propylene Carbonate	Coumarin 460(Ethanol)	452-470	FL ³⁶	5
	Ethanol	LD 466(Ethanol)	460-479	FL ³⁶	5-9
	Ethanol	Coumarin 480(Ethanol)	510	FL ³⁶	5-9
	Ethanol	LD 490(Ethanol)	515	FL ³⁶	5-9
DASBTI 05360	Ethanol	Coumarin 522(Ethanol)	508-524	FL ^{32,35}	6
	Ethanol	Coumarin 540A(Ethanol)	518-557	FL ^{31,35}	
	Ethanol	Coumarin 540(Ethanol)	526-547	FL ^{25,35}	3-6
	Ethanol	Rhodamine 560(Ethanol)	551-583	FL ^{31,35}	3-6
DOCI 05410	Ethylene Glycol/Methanol,9/1	Coumarin 480(Ethanol)	460-509	FL ²⁴	2.5
	Methanol or Ethylene Glycol/ Methanol	Coumarin 500/Coumarin 504 (Methanol/Water,2/1)	505-520	FL ³³	14
DMETCI 05240	Ethanol/Ethylene Glycol,4/1	Coumarin 540A(Ethanol)	518-547	FL ²⁹	3-4.5
PICI 05200	Glycerol/Water,87/13	Coumarin 504/Coumarin 540(Methanol)	520	FL ¹⁷	10
DQOCI 05920	Ethanol	Fluorol 555(Methanol)	550-580	FL ¹⁵	5±3
Pinacyanol 05940	Methanol	Rhodamine 590(Methanol)	589-604	FL ¹⁶	10
	Glycerol	Rhodamine 610(Methanol)	611-634	FL ¹⁶	
DODCI 06480	Ethanol	Rhodamine 590	584-605	FL ⁵	2.5-15
	Ethanol	Rhodamine 590	602-625	FL ⁴	2-4
	Ethanol	Rhodamine 610(Ethanol)	615-645	FL ⁵	
DQTCI 06220	Ethanol	Rhodamine 610(Ethanol)	605-639	FL ⁵	3-4
		DCM(Ethanol)	630-660	FL ⁴⁸	6.9
		Rhodamine 640(Ethanol)	630-693	FL ⁴⁸	5.0
DQTCI' 06240	Ethanol	Rhodamine 640(Ethanol)	618-630	FL ⁴⁸	5.0
DTDCI 07310	Ethanol	Cresyl Violet 670 + Rhodamine 590 (Ethanol)	652-704	FL ⁵	3-5
		DCM(Ethanol)	660-670	FL ⁴⁸	6.9
Cryptocyanine 07070	Ethanol	LD 700(Ethanol)	705-710	FL ³⁷	4-7
DDI 08100	Ethanol	Cresyl Violet 670/Rhodamine 590 (Ethanol)	644-680	FL ⁵	3
		LD 700(Ethanol)	710-798	FL ³⁷	4-7
DOTCI 08250	Ethanol	Cresyl Violet 670/Rhodamine 590	644-680	FL ⁵	4
IR-140 09500	Ethanol	LDS 821(Ethanol)	850	FL ³⁸	1



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Saturable Absorber and Solvent Catalog Number		Dyes for Passively Mode Locked Dye Lasers (Solvent)	Tuning Range(nm)	Pump Source Reference	Shortest Duration Pulse(fs)
DI 05235	Ethylene Glycol/Ethanol	Coumarin 540A(Ethylene Glycol/Benzyl Alcohol + COT)	518-554	Ar ⁹⁰	96
DOCI 05410	Ethylene Glycol	Coumarin 480(Ethylene Glycol/Benzyl Alcohol)	487-508	Ar ⁷³	580
	Ethylene Glycol	LD 490(Ethylene Glycol/Benzyl Alcohol)	492-507	Ar ⁸¹	110
	Ethylene Glycol	Coumarin 480 Coumarin 460	493-502 500-506	Ar ⁶⁶ Ar ⁸¹	<100 130
HICI 05670		Rhodamine 560(Ethylene Glycol)	553-570	Ar ⁵³	152
		Rhodamine 560(Ethylene Glycol)	581	Ar ⁵⁹	80
DASBTI 05360		Rhodamine 560	553-570	Ar ⁵³	210
		Rhodamine 560	583	Ar ⁶⁵	120
		Rhodamine 560	583	Ar ⁶⁵	70
	Ethylene Glycol	Rhodamine 590(Ethylene Glycol)	570-600	Ar ⁴⁷	520
DQOCI 05920		Rhodamine 590	583-584	Ar ⁶⁵	100
DQOCI + DODCI 05920 + 06480		Rhodamine 590	586-592, 619-621	Ar ⁶⁵	100
DODCI 06480		Rhodamine 590	590-610	Ar ⁶⁵	400
	Methanol	Rhodamine 590(Water/Ammonyx LO,95/5)	590-610	Ar ⁷	1500
	Ethanol	Rhodamine 590(Water/Ammonyx LO,93/7)		Ar ⁸	4300
		Rhodamine 590(Ethylene Glycol)	598-615	Ar ¹⁴	300
		Rhodamine 590	612-622	Ar ⁶⁵	50
		Rhodamine 590		Ar ^{43,46}	27
	Ethylene Glycol	Rhodamine 590(Ethylene Glycol)	618	Ar ⁴⁹	47
	Ethanol	Rhodamine 610(Water/Ammonyx LO,9/1)	610-630	Ar ¹²	3000
DODCI + Malachite Green 06480 + 20100		Rhodamine 590(Ethylene Glycol)	608-614	Ar ³⁴	340
Saturable Absorber 580 05800	Ethylene Glycol/Methanol	Rhodamine 590(Ethylene Glycol)	609-620	Ar ⁹²	60
Cresyl Violet 06700	Ethanol	Rhodamine 590(Ethylene Glycol)	610-620	Ar ¹⁹	900
		Rhodamine 610	610-620	Ar ¹⁹	3000
DQTCI 06220	Ethylene Glycol/Ethanol	Rhodamine 610(Ethylene Glycol)	616-658	Ar ⁵¹	220
		Rhodamine 590 + Sulforhodamine 640 (Ethylene Glycol)	652-681	Ar ⁵⁴	120
		DCM	655-673	Ar ⁸⁹	680
		Rhodamine 590 + Sulforhodamine 640	685	Ar ⁷²	58
DCI' 05950	Ethylene Glycol/Ethanol	Rhodamine 590 + Sulforhodamine640 (Ethylene Glycol)	652-694	Ar ⁵⁴	240
DOTCI 08250	Ethylene Glycol/Ethanol	LD 700(Ethylene Glycol)	727-740	Kr ⁴⁵	850
DOTCI + DCI 08250 + 07070	Ethylene Glycol/Ethanol	LD 700	740	Kr ⁴⁵	350
Cryptocyanine 07070		DCM + LD 700(Propylene Carbonate/Ethylene Glycol)	732-743	Ar ⁶⁴	260
DDI 08100		DCM + LD 700(Propylene Carbonate/Ethylene Glycol)	742-761	Ar ⁶⁴	120
		DCM + LD 700(Propylene Carbonate/Ethylene Glycol)	743-754	Ar ⁶⁴	110
	Ethylene Glycol Propylene Carbonate/ Ethylene Glycol	Ti:Sapphire LD 700(Ethylene Glycol)	745-755 775	Ar ⁸⁴ Kr ⁷⁹	4000 36
HITCI 08422	Ethylene Glycol/Ethanol	LD 700(Ethylene Glycol)	762-778	Kr ⁴⁵	850
	Ethylene Glycol	LD 700(Ethylene Glycol)	792-805	Kr ⁸⁸	50
		LD 800	820	Ti:Sapphire ⁸⁰	100
NCI 07730	Ethylene Glycol	LD 800(Propylene Carbonate/Ethylene Glycol)	779-820	Kr ⁸⁵	110



Propylene Carbonate/
Ethylene Glycol

LDS 698 + LD 800(Propylene Carbonate/
Ethylene Glycol

783-815

Ar⁷⁰

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