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Saturable Absorber and Solvent Catalog Number		Mode Locked Dye (Solvent)	Tuning Range(nm)	Pump Source Reference	Shortest Duration Pulse(ps)
<b>DASPI</b> <b>04620</b>	Propylene Carbonate	Coumarin 460(Ethanol)	452-470	FL <sup>36</sup>	5
	Ethanol	LD 466(Ethanol)	460-479	FL <sup>36</sup>	5-9
	Ethanol	Coumarin 480(Ethanol)	510	FL <sup>36</sup>	5-9
	Ethanol	LD 490(Ethanol)	515	FL <sup>36</sup>	5-9
<b>DASBTI</b> <b>05360</b>	Ethanol	Coumarin 522(Ethanol)	508-524	FL <sup>32,35</sup>	6
	Ethanol	Coumarin 540A(Ethanol)	518-557	FL <sup>31,35</sup>	
	Ethanol	Coumarin 540(Ethanol)	526-547	FL <sup>25,35</sup>	3-6
	Ethanol	Rhodamine 560(Ethanol)	551-583	FL <sup>31,35</sup>	3-6
<b>DOCI</b> <b>05410</b>	Ethylene Glycol/Methanol,9/1	Coumarin 480(Ethanol)	460-509	FL <sup>24</sup>	2.5
	Methanol or Ethylene Glycol/ Methanol	Coumarin 500/Coumarin 504 (Methanol/Water,2/1)	505-520	FL <sup>33</sup>	14
<b>DMETCI</b> <b>05240</b>	Ethanol/Ethylene Glycol,4/1	Coumarin 540A(Ethanol)	518-547	FL <sup>29</sup>	3-4.5
<b>PICI</b> <b>05200</b>	Glycerol/Water,87/13	Coumarin 504/Coumarin 540(Methanol)	520	FL <sup>17</sup>	10
<b>DQOCI</b> <b>05920</b>	Ethanol	Fluorol 555(Methanol)	550-580	FL <sup>15</sup>	5±3
<b>Pinacyanol</b> <b>05940</b>	Methanol	Rhodamine 590(Methanol)	589-604	FL <sup>16</sup>	10
	Glycerol	Rhodamine 610(Methanol)	611-634	FL <sup>16</sup>	
<b>DODCI</b> <b>06480</b>	Ethanol	Rhodamine 590	584-605	FL <sup>5</sup>	2.5-15
	Ethanol	Rhodamine 590	602-625	FL <sup>4</sup>	2-4
	Ethanol	Rhodamine 610(Ethanol)	615-645	FL <sup>5</sup>	
<b>DQTCI</b> <b>06220</b>	Ethanol	Rhodamine 610(Ethanol)	605-639	FL <sup>5</sup>	3-4
		DCM(Ethanol)	630-660	FL <sup>48</sup>	6.9
		Rhodamine 640(Ethanol)	630-693	FL <sup>48</sup>	5.0
<b>DQTCI'</b> <b>06240</b>	Ethanol	Rhodamine 640(Ethanol)	618-630	FL <sup>48</sup>	5.0
<b>DTDCI</b> <b>07310</b>	Ethanol	Cresyl Violet 670 + Rhodamine 590 (Ethanol)	652-704	FL <sup>5</sup>	3-5
		DCM(Ethanol)	660-670	FL <sup>48</sup>	6.9
<b>Cryptocyanine</b> <b>07070</b>	Ethanol	LD 700(Ethanol)	705-710	FL <sup>37</sup>	4-7
<b>DDI</b> <b>08100</b>	Ethanol	Cresyl Violet 670/Rhodamine 590 (Ethanol)	644-680	FL <sup>5</sup>	3
		LD 700(Ethanol)	710-798	FL <sup>37</sup>	4-7
<b>DOTCI</b> <b>08250</b>	Ethanol	Cresyl Violet 670/Rhodamine 590	644-680	FL <sup>5</sup>	4
<b>IR-140</b> <b>09500</b>	Ethanol	LDS 821(Ethanol)	850	FL <sup>38</sup>	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)
<b>DI 05235</b>	Ethylene Glycol/Ethanol	Coumarin 540A(Ethylene Glycol/Benzyl Alcohol + COT)	518-554	Ar <sup>90</sup>	96
<b>DOCI 05410</b>	Ethylene Glycol	Coumarin 480(Ethylene Glycol/ Benzyl Alcohol)	487-508	Ar <sup>73</sup>	580
	Ethylene Glycol	LD 490(Ethylene Glycol/Benzyl Alcohol)	492-507	Ar <sup>81</sup>	110
	Ethylene Glycol	Coumarin 480 Coumarin 460	493-502 500-506	Ar <sup>66</sup> Ar <sup>81</sup>	<100 130
<b>HICI 05670</b>		Rhodamine 560(Ethylene Glycol)	553-570	Ar <sup>53</sup>	152
		Rhodamine 560(Ethylene Glycol)	581	Ar <sup>59</sup>	80
<b>DASBTI 05360</b>		Rhodamine 560	553-570	Ar <sup>53</sup>	210
		Rhodamine 560	583	Ar <sup>65</sup>	120
		Rhodamine 560	583	Ar <sup>65</sup>	70
	Ethylene Glycol	Rhodamine 590(Ethylene Glycol)	570-600	Ar <sup>47</sup>	520
<b>DQOCI 05920</b>		Rhodamine 590	583-584	Ar <sup>65</sup>	100
<b>DQOCI + DODCI 05920 + 06480</b>		Rhodamine 590	586-592, 619-621	Ar <sup>65</sup>	100
<b>DODCI 06480</b>		Rhodamine 590	590-610	Ar <sup>65</sup>	400
	Methanol	Rhodamine 590(Water/Ammonyx LO,95/5)	590-610	Ar <sup>7</sup>	1500
	Ethanol	Rhodamine 590(Water/Ammonyx LO,93/7)		Ar <sup>8</sup>	4300
		Rhodamine 590(Ethylene Glycol)	598-615	Ar <sup>14</sup>	300
		Rhodamine 590	612-622	Ar <sup>65</sup>	50
		Rhodamine 590		Ar <sup>43,46</sup>	27
	Ethylene Glycol	Rhodamine 590(Ethylene Glycol)	618	Ar <sup>49</sup>	47
	Ethanol	Rhodamine 610(Water/Ammonyx LO,9/1)	610-630	Ar <sup>12</sup>	3000
<b>DODCI + Malachite Green 06480 + 20100</b>		Rhodamine 590(Ethylene Glycol)	608-614	Ar <sup>34</sup>	340
<b>Saturable Absorber 580 05800</b>	Ethylene Glycol/Methanol	Rhodamine 590(Ethylene Glycol)	609-620	Ar <sup>92</sup>	60
<b>Cresyl Violet 06700</b>	Ethanol	Rhodamine 590(Ethylene Glycol)	610-620	Ar <sup>19</sup>	900
		Rhodamine 610	610-620	Ar <sup>19</sup>	3000
<b>DQTCI 06220</b>	Ethylene Glycol/Ethanol	Rhodamine 610(Ethylene Glycol)	616-658	Ar <sup>51</sup>	220
		Rhodamine 590 + Sulforhodamine 640 (Ethylene Glycol)	652-681	Ar <sup>54</sup>	120
		DCM	655-673	Ar <sup>89</sup>	680
		Rhodamine 590 + Sulforhodamine 640	685	Ar <sup>72</sup>	58
<b>DCI' 05950</b>	Ethylene Glycol/Ethanol	Rhodamine 590 + Sulforhodamine640 (Ethylene Glycol)	652-694	Ar <sup>54</sup>	240
<b>DOTCI 08250</b>	Ethylene Glycol/Ethanol	LD 700(Ethylene Glycol)	727-740	Kr <sup>45</sup>	850
<b>DOTCI + DCI 08250 + 07070</b>	Ethylene Glycol/Ethanol	LD 700	740	Kr <sup>45</sup>	350
<b>Cryptocyanine 07070</b>		DCM + LD 700(Propylene Carbonate/ Ethylene Glycol)	732-743	Ar <sup>64</sup>	260
<b>DDI 08100</b>		DCM + LD 700(Propylene Carbonate/ Ethylene Glycol)	742-761	Ar <sup>64</sup>	120
		DCM + LD 700(Propylene Carbonate/ Ethylene Glycol)	743-754	Ar <sup>64</sup>	110
	Ethylene Glycol Propylene Carbonate/ Ethylene Glycol	Ti:Sapphire LD 700(Ethylene Glycol)	745-755 775	Ar <sup>84</sup> Kr <sup>79</sup>	4000 36
<b>HITCI 08422</b>	Ethylene Glycol/Ethanol	LD 700(Ethylene Glycol)	762-778	Kr <sup>45</sup>	850
	Ethylene Glycol	LD 700(Ethylene Glycol)	792-805	Kr <sup>88</sup>	50
		LD 800	820	Ti:Sapphire <sup>80</sup>	100
<b>NCI 07730</b>	Ethylene Glycol	LD 800(Propylene Carbonate/ Ethylene Glycol)	779-820	Kr <sup>85</sup>	110



Propylene Carbonate/  
Ethylene Glycol

LDS 698 + LD 800(Propylene Carbonate/  
Ethylene Glycol

783-815

Ar<sup>70</sup>

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