

Fig.S1. Room-temperature absorption and fluorescence spectra of DPO in *iso*-octane and the TD DFT B3LYP/6-31G(d, p) calculated energies of the corresponding transitions; $S_0 \rightarrow S_i$ (absorption) and $S_1 \rightarrow S_0$ (emission) with i = 0, 1..., 5.



Fig.S2. The TD DFT B3LYP/6-31G(d, p) calculated lines corresponding to vibronic transitions in the absorption and fluorescence spectra of *trans*-DPO.

Table S1. The xyz coordinates and the energies of the *trans*-DPO and *cis*-DPO isomers in the DFT and TD DFT/ B3LYP/6-31G(d, p) optimized structures in the S_0 and S_1 states.

	trans-DPO			cis-DPO								
	S ₀		S ₁		S ₀		S ₁					
	E=		E=		E=		E=					
	-765.903071836		836	-765.8991620		-765.894941237		-765.880072504				
	х	у	z	х	У	z	х	У	z	х	у	z
7	5.6466	-0.0657	0.0160	5.6225	-0.0485	0.0003	-4.1894	-1.3223	-0.2360	-3.7769	-1.4634	-0.2508
6	4.8097	-1.1571	0.0424	4.8018	-1.1495	0.0017	-2.9457	-1.2704	-0.8206	-2.5793	-1.2339	-0.8650
6	3.4399	-1.0227	0.0330	3.4324	-1.0419	0.0014	-2.1237	-0.1731	-0.6848	-1.9144	-0.0286	-0.7551
6	2.8205	0.2452	-0.0048	2.7917	0.2460	-0.0004	-2.5181	0.9558	0.0621	-2.4707	1.0460	0.0342
6	3.7038	1.3427	-0.0302	3.6768	1.3611	-0.0016	-3.8086	0.8869	0.6213	-3.7577	0.7915	0.5872
6	5.0733	1.1801	-0.0200	5.0378	1.2132	-0.0013	-4.6090	-0.2279	0.4773	-4.3791	-0.4193	0.4526
6	1.3818	0.4655	-0.0173	1.3816	0.4301	-0.0008	-1.7323	2.1850	0.1957	-1.8049	2.2799	0.2552
6	0.4173	-0.4834	-0.0117	0.4140	-0.5704	-0.0004	-0.3975	2.4053	0.1363	-0.4503	2.5661	0.0287
6	-1.0258	-0.2837	-0.0214	-1.0051	-0.3480	-0.0002	0.7438	1.4855	0.0900	0.6423	1.6473	0.0722
6	-1.8794	-1.4025	-0.0365	-1.9009	-1.4542	-0.0017	1.9466	1.9090	-0.5044	1.9118	2.0144	-0.4568
6	-3.2616	-1.2851	-0.0458	-3.2719	-1.3008	-0.0016	3.0770	1.1050	-0.5492	2.9856	1.1532	-0.4639
6	-3.8814	-0.0140	-0.0473	-3.8630	-0.0057	-0.0001	3.0720	-0.1878	0.0245	2.8770	-0.1625	0.0886
6	-3.0286	1.1179	-0.0198	-2.9857	1.1092	0.0017	1.8801	-0.5999	0.6688	1.6462	-0.5194	0.6855
6	-1.6507	0.9796	-0.0104	-1.6130	0.9445	0.0017	0.7572	0.2139	0.6935	0.5644	0.3467	0.6852
7	-5.2585	0.1212	-0.0798	-5.2366	0.1547	-0.0003	4.1833	-1.0128	-0.0365	3.9451	-1.0335	0.0509
6	-5.8595	1.4330	0.0926	-5.8168	1.4862	0.0000	4.2046	-2.2476	0.7296	3.8254	-2.3538	0.6471
6	-6.0994	-1.0566	0.0486	-6.1120	-1.0050	0.0007	5.4424	-0.4844	-0.5334	5.2348	-0.6040	-0.4662
8	6.9157	-0.2116	0.0254	6.9051	-0.1662	0.0004	-4.9323	-2.3527	-0.3633	-4.3735	-2.5983	-0.3314
1	5.3344	-2.1023	0.0713	5.3424	-2.0872	0.0030	-2.6974	-2.1576	-1.3870	-2.2230	-2.0757	-1.4446
1	2.8490	-1.9316	0.0572	2.8487	-1.9549	0.0028	-1.1617	-0.1940	-1.1823	-1.0291	0.1330	-1.3544
1	3.3118	2.3549	-0.0593	3.2697	2.3689	-0.0029	-4.1996	1.7239	1.1919	-4.2574	1.5680	1.1601
1	5.7906	1.9892	-0.0387	5.7553	2.0216	-0.0022	-5.6004	-0.3344	0.8957	-5.3447	-0.6796	0.8623
1	1.0885	1.5135	-0.0347	1.0511	1.4669	-0.0017	-2.3464	3.0729	0.3416	-2.4346	3.1080	0.5825
1	0.7210	-1.5296	-0.0014	0.7304	-1.6097	-0.0008	-0.1069	3.4559	0.1454	-0.1846	3.6110	-0.1269
1	-1.4420	-2.3982	-0.0375	-1.4849	-2.4581	-0.0030	1.9944	2.8997	-0.9503	2.0244	3.0028	-0.8949
1	-3.8600	-2.1874	-0.0502	-3.8957	-2.1863	-0.0030	3.9698	1.4906	-1.0254	3.9190	1.4842	-0.9021
1	-3.4478	2.1162	-0.0032	-3.3856	2.1160	0.0034	1.8325	-1.5590	1.1693	1.5363	-1.4791	1.1755
1	-1.0466	1.8816	0.0121	-0.9887	1.8313	0.0036	-0.1246	-0.1370	1.2191	-0.3295	0.0760	1.2308
1	-6.9439	1.3416	0.0213	-6.9035	1.4067	-0.0031	5.1354	-2.7786	0.5257	4.7363	-2.9206	0.4550
1	-5.5346	2.1250	-0.6932	-5.5127	2.0594	-0.8863	3.3792	-2.9064	0.4373	2.9822	-2.9061	0.2149
1	-5.6171	1.8865	1.0655	-5.5176	2.0574	0.8894	4.1363	-2.0791	1.8152	3.6741	-2.3032	1.7348
1	-7.1459	-0.7597	-0.0288	-7.1496	-0.6724	0.0019	6.1869	-1.2817	-0.5399	5.9311	-1.4416	-0.4300
1	-5.9600	-1.5758	1.0089	-5.9532	-1.6315	0.8886	5.8308	0.3431	0.0800	5.6624	0.2206	0.1207
1	-5.8993	-1.7746	-0.7552	-5.9553	-1.6315	-0.8876	5.3386	-0.1223	-1.5625	5.1593	-0.2749	-1.5100

Table S2. Comparison of the chosen bondlengths in various optimized structures of the *trans*-DPO. The atom numeration on the top of the Table; *trans*-DPO- S_0 - ground state optimization;

trans-DPO-S₁- excited state optimization; *trans*-DPO-S₀ in ACN- ground state optimization in acetonitrile; *trans* – DPO-S₀ cryst- crystallographic experimental data for DPO; *trans*- DPO-MeOH complex- S₀ - ground state optimization of DPO-MeOH complex.

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
	trans-DPO-	<i>trans</i> – DPO-	trans-DPO-	trans- DPO-	trans-DPO-			
	\mathbf{S}_0	$S_0 \operatorname{cryst}[32(c)]$	S ₀ in ACN	MeOH complex-	\mathbf{S}_1			
				\mathbf{S}_0				
N1-O18	1.278	1.301	1.292	1.296	1.288			
N1-C6	1.372	1.394	1.368	1.368	1.391			
C5-C4	1.409	1.400	1.410	1.409	1.424			
C3-C4	1.412	1.401	1.413	1.412	1.438			
C4-C7	1.455	1.447	1.455	1.455	1.422			
C7-C8	1.354	1.339	1.356	1.354	1.392			
C8-C9	1.457	1.447	1.456	1.456	1.436			
C9-C14	1.410	1.402	1.411	1.410	1.428			
C9-C10	1.407	1.402	1.410	1.407	1.423			
C11-C12	1.414	1.416	1.417	1.415	1.423			
C13-C12	1.417	1.401	1.421	1.418	1.419			
C12-N15	1.384	1.370	1.375	1.382	1.383			

Table S3. The vibration frequencies of *trans*-DPO structures optimized in the S_0 and S_1 state. The bold numbers indicate the vibrations with the large FC factor both in the absorption and emission.

\mathbf{S}_0		\mathbf{S}_1		
zero-point correction	0.2804 H	zero-point correction	0.2767 H	
frequency	red.mass	frequency	red.mass	

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113.83.34720.8 3.4270 2 30.25.2851 26.35.13403 52.65.282153.153.11 4 61.94.0067 56.32.47095 69.7 2.5762 64.34.5666 6 77.82.3329 85.52.12467141.51.8435132.82.58958 154.44.6070153.15.8184 9179.43.3008197.41.821310187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.9082509.04.377523519.92.9566510.03.88624549.97.1342640.47.197127676.87.0252664.86.042229738.34.4243711.33.598930740.54.6445728.64.7564 </th <th></th> <th>hν</th> <th>μ</th> <th>hν</th> <th>μ</th>		hν	μ	hν	μ
230.25.285426.35.1340352.65.282153.15.3144461.94.006756.32.4709569.72.576264.34.5666677.82.3329 85.5 2.1246677.82.3329 85.5 2.12868154.44.6070153.15.81849179.43.3908197.41.821310187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649400.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.28725593.25.0335584.54.837626654.97.1342640.47.197127676.87.0252664.84.147428715.1 </td <td>1</td> <td>13.8</td> <td>3.3347</td> <td>20.8</td> <td>3.4270</td>	1	13.8	3.3347	20.8	3.4270
3 52.6 52821 53.1 53.114 4 61.9 4.0067 56.3 2.4709 5 69.7 2.5762 64.3 4.566 6 77.8 2.3329 85.5 2.1246 7 141.5 1.8435 132.8 2.5895 8 154.4 4.6070 153.1 5.8184 9 179.4 3.3908 197.4 1.8213 10 187.7 1.6048 203.2 1.4273 11 218.4 2.3984 206.2 4.7742 12 238.7 2.1378 239.9 2.0529 13 290.9 3.3732 285.3 4.0659 14 341.8 3.6596 324.7 3.102 15 398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.202 17 425.9 3.2365 404.5 3.1177 18 429.7 3.63	2	30.2	5.2854	26.3	5.1340
461.94.0067 56.3 2.4709569.72.576264.34.5666677.82.332985.52.12467141.51.8435132.82.58958154.44.6070153.15.81849179.43.3908197.41.821310187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.068914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.25.0335584.54.850126654.97.1342640.47.197127676.87.0252664.84.147428715.13.7023664.86.042229738.34.2433777.01.363934	3	52.6	5.2821	53.1	5.3114
5 60.7 2.5762 64.3 4.5666 6 77.8 2.3329 85.5 2.1246 7 141.5 1.8435 132.8 2.5895 8 154.4 4.6070 153.1 5.8184 9 179.4 3.3908 197.4 1.8213 10 187.7 1.6048 203.2 1.4273 11 218.4 2.3984 206.2 4.7742 12 238.7 2.1378 239.9 2.0529 13 290.9 3.3732 285.3 4.0659 14 341.8 3.6596 324.7 3.2102 15 398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.1212 17 425.9 3.2365 440.5 3.1177 18 429.7 3.6399 419.8 3.2312 14 512.9 3.2923 478.9 4.4712 21 512.5	4	61.9	4.0067	56.3	2.4709
677.82.332985.52.12467141.51.8435132.82.58958154.44.6070153.15.81849179.43.3908197.41.821310187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.28725593.250335584.54.837626654.97.1342640.47.197127676.87.0252664.86.084229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.351138896.31.6433777.01.363934 <t< td=""><td>5</td><td>69.7</td><td>2.5762</td><td>64.3</td><td>4.5666</td></t<>	5	69.7	2.5762	64.3	4.5666
7141.51.8435132.82.58958154.44.6070153.15.81849179.43.3908197.41.821310187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.25.0335584.54.837626654.97.1342640.47.197127676.87.0252664.84.147428715.13.7023664.86.084229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.536133824.21.4683777.01.363934 </td <td>6</td> <td>77.8</td> <td>2.3329</td> <td>85.5</td> <td>2.1246</td>	6	77.8	2.3329	85.5	2.1246
8 154.4 4.6070 153.1 5.8184 9 179.4 3.3908 197.4 1.8213 10 187.7 1.6048 203.2 1.4273 11 218.4 2.3984 206.2 4.7742 12 238.7 2.1378 239.9 2.0529 13 290.9 3.3732 285.3 4.0659 14 341.8 3.6596 324.7 3.2102 15 398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.1212 17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.2312 19 432.9 4.9430 422.5 5.2060 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 509.0 4.3775 23 519.9 2.2668 516.4 2.2287 25 593.2	7	141.5	1.8435	132.8	2.5895
9 179.4 3.3908 197.4 1.8213 10 187.7 1.6048 205.2 1.4723 11 218.4 2.3984 206.2 4.7742 12 238.7 2.1378 239.9 2.0529 13 290.9 3.3732 285.3 4.0659 14 341.8 3.6596 324.7 3.2102 15 398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.1212 17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.3212 19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.2668 516.4 2.2287 25 593.2 <td>8</td> <td>154.4</td> <td>4.6070</td> <td>153.1</td> <td>5.8184</td>	8	154.4	4.6070	153.1	5.8184
10187.71.6048203.21.427311218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.250335584.54.837626654.97.1342640.47.197127676.87.0252664.84.147428715.13.7023664.86.48229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.536132819.11.4618756.31.741136866.05.6581819.43.523037878.61.9813839.66.153338 896.3 4.5493853.01.27413	9	179.4	3.3908	197.4	1.8213
11218.42.3984206.24.774212238.72.1378239.92.052913290.93.3732285.34.065914341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.25.0335584.54.837626654.97.1342640.47.197127676.87.0252664.86.084229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.536132819.11.4618756.31.781133824.21.4683777.01.363934830.25.0703778.41.359035843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.15333	10	187.7	1.6048	203.2	1.4273
12238.72.1378239.92.052913290.9 3.3732 285.34.065914341.8 3.6596 324.73.210215398.0 4.7693 358.5 4.3983 16403.1 3.7214 395.2 4.1212 17425.9 3.2365 404.5 3.1177 18429.7 3.6339 419.8 3.2312 19432.9 4.9430 422.5 5.2066 20486.6 4.3649 460.0 2.3392 21512.9 3.2923 478.9 4.4712 22515.5 3.9082 509.0 4.3775 23519.9 2.9566 510.0 3.8686 24549.9 2.2668 516.4 2.2287 25593.2 5.0335 584.5 4.8376 26654.9 7.1342 640.4 7.1971 27676.8 7.0522 664.8 4.1474 28715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30740.5 4.6445 728.6 4.7564 31810.7 1.2785 738.8 1.5361 33824.2 1.4683 777.0 1.3639 34830.2 5.0703 778.4 1.3590 35843.6 1.7370 897.4 1.2529 41947.5 1.3132 916.8 1.2976 42950.3 1.3481 928.6 1.2976	11	218.4	2.3984	206.2	4.7742
13 290.9 3.3732 285.3 4.0659 14 341.8 3.6596 324.7 3.2102 15 398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.1212 17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.2312 19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.0442 29 738.3 4.2433 711.3 3.5989 30 740.5 4.6445 <td>12</td> <td>238.7</td> <td>2.1378</td> <td>239.9</td> <td>2.0529</td>	12	238.7	2.1378	239.9	2.0529
14341.83.6596324.73.210215398.04.7693358.54.398316403.13.7214395.24.121217425.93.2365404.53.117718429.73.3639419.83.231219432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.908250.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.25.0335584.54.837626654.97.1342640.47.197127676.87.0522664.86.084229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.536132819.11.4618756.31.781133824.21.4683777.01.363935843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.153338 896.3 4.5493853.01.274139938.51.2811 875.1 4.306340943.01.3176897.41.252941947.51.3132916.81.3021 <td< td=""><td>13</td><td>290.9</td><td>3.3732</td><td>285.3</td><td>4.0659</td></td<>	13	290.9	3.3732	285.3	4.0659
15398.0 4.7693 358.5 4.3983 16 403.1 3.7214 395.2 4.1212 17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.2312 19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.868 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 $6.084.764$ 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 </td <td>14</td> <td>341.8</td> <td>3.6596</td> <td>324.7</td> <td>3.2102</td>	14	341.8	3.6596	324.7	3.2102
16403.1 3.7214 395.2 4.1212 17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.2312 19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 50335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 <td>15</td> <td>398.0</td> <td>4.7693</td> <td>358.5</td> <td>4.3983</td>	15	398.0	4.7693	358.5	4.3983
17 425.9 3.2365 404.5 3.1177 18 429.7 3.3639 419.8 3.2312 19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 893.6 1.2976 44 997.8 1.261 958.8 3.3074 40 943.0 1.3176 897.4 1.2529 41 </td <td>16</td> <td>403.1</td> <td>3.7214</td> <td>395.2</td> <td>4.1212</td>	16	403.1	3.7214	395.2	4.1212
18429.7 3.3639 419.8 3.2312 19432.94.9430422.55.206620486.64.3649460.02.339221512.93.2923478.94.471222515.53.9082509.04.377523519.92.9566510.03.868624549.92.2668516.42.228725593.25.0335584.54.837626654.97.1342640.47.197127676.87.0252664.84.147428715.13.7023664.86.084229738.34.4243711.33.598930740.54.6445728.64.756431810.71.2785738.81.536132819.11.4618756.31.781133824.21.4683777.01.363934830.25.0703778.41.359035843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.153338 896.34.5493 853.01.274139938.51.2811 875.14.3063 40943.01.3176897.41.252941947.51.3132916.81.290742950.31.3481928.61.290744997.81.1261958.83.3074 </td <td>17</td> <td>425.9</td> <td>3.2365</td> <td>404.5</td> <td>3.1177</td>	17	425.9	3.2365	404.5	3.1177
19 432.9 4.9430 422.5 5.2066 20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2774 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6	18	429.7	3.3639	419.8	3.2312
20 486.6 4.3649 460.0 2.3392 21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 <	19	432.9	4.9430	422.5	5.2066
21 512.9 3.2923 478.9 4.4712 22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 <	20	486.6	4.3649	460.0	2.3392
22 515.5 3.9082 509.0 4.3775 23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 61.533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 <	21	512.9	3.2923	478.9	4.4712
23 519.9 2.9566 510.0 3.8686 24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 101	22	515.5	3.9082	509.0	4.3775
24 549.9 2.2668 516.4 2.2287 25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 4	23	519.9	2.9566	510.0	3.8686
25 593.2 5.0335 584.5 4.8376 26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 61533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 <td< td=""><td>24</td><td>549.9</td><td>2.2668</td><td>516.4</td><td>2.2287</td></td<>	24	549.9	2.2668	516.4	2.2287
26 654.9 7.1342 640.4 7.1971 27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 <tr< td=""><td>25</td><td>593.2</td><td>5.0335</td><td>584.5</td><td>4.8376</td></tr<>	25	593.2	5.0335	584.5	4.8376
27 676.8 7.0252 664.8 4.1474 28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192 <	26	654.9	7.1342	640.4	7.1971
28 715.1 3.7023 664.8 6.0842 29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192	27	676.8	7.0252	664.8	4.1474
29 738.3 4.4243 711.3 3.5989 30 740.5 4.6445 728.6 4.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192	28	715.1	3.7023	664.8	6.0842
30740.54.6445728.64.7564 31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2976 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192	29	738.3	4.4243	711.3	3.5989
31 810.7 1.2785 738.8 1.5361 32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192	30	740.5	4.6445	728.6	4.7564
32 819.1 1.4618 756.3 1.7811 33 824.2 1.4683 777.0 1.3639 34 830.2 5.0703 778.4 1.3590 35 843.6 1.7370 819.2 2.1417 36 866.0 5.6581 819.4 3.5230 37 878.6 1.9813 839.6 6.1533 38 896.3 4.5493 853.0 1.2741 39 938.5 1.2811 875.1 4.3063 40 943.0 1.3176 897.4 1.2529 41 947.5 1.3132 916.8 1.2907 42 950.3 1.3481 928.6 1.2907 43 970.1 3.1496 946.6 1.3021 44 997.8 1.1261 958.8 3.3074 45 1021.2 2.7494 1001.5 2.7322 46 1042.0 2.6463 1011.4 2.9470 47 1085.4 1.5158 1084.8 1.5351 48 1117.5 1.4837 1107.0 1.5137 49 1143.4 1.3199 1133.7 1.2345 50 1146.8 1.2433 1135.9 1.3192	31	810.7	1.2785	738.8	1.5361
33824.21.4683777.01.363934830.25.0703778.41.359035843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.153338 896.34.5493 853.01.274139938.51.2811 875.14.3063 40943.01.3176897.41.252941947.51.3132916.81.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	32	819.1	1.4618	756.3	1.7811
34830.25.0703778.41.359035843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.153338 896.34.5493 853.01.274139938.51.2811 875.14.3063 40943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	33	824.2	1.4683	777.0	1.3639
35843.61.7370819.22.141736866.05.6581819.43.523037878.61.9813839.66.153338 896.34.5493 853.01.274139938.51.2811 875.14.3063 40943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	34	830.2	5.0703	778.4	1.3590
36866.05.6581819.43.523037878.61.9813839.66.153338896.34.5493853.01.274139938.51.2811875.14.306340943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	35	843.6	1.7370	819.2	2.1417
37878.61.9813839.66.153338896.34.5493853.01.274139938.51.2811875.14.306340943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	36	866.0	5.6581	819.4	3.5230
38896.34.5493853.01.274139938.51.2811875.14.306340943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	37	878.6	1.9813	839.6	6.1533
39938.51.2811875.14.306340943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	38	896.3	4.5493	853.0	1.2741
40943.01.3176897.41.252941947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	39	938.5	1.2811	875.1	4.3063
41947.51.3132916.81.297642950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	40	943.0	1.3176	897.4	1.2529
42950.31.3481928.61.290743970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	41	947.5	1.3132	916.8	1.2976
43970.13.1496946.61.302144997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	42	950.3	1.3481	928.6	1.2907
44997.81.1261958.83.3074451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	43	970.1	3.1496	946.6	1.3021
451021.22.74941001.52.7322461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	44	997.8	1.1261	958.8	3.3074
461042.02.64631011.42.9470471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	45	1021.2	2.7494	1001.5	2.7322
471085.41.51581084.81.5351481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	46	1042.0	2.6463	1011.4	2.9470
481117.51.48371107.01.5137491143.41.31991133.71.2345501146.81.24331135.91.3192	47	1085.4	1.5158	1084.8	1.5351
491143.41.31991133.71.2345501146.81.24331135.91.3192	48	1117.5	1.4837	1107.0	1.5137
50 1146.8 1.2433 1135.9 1.3192	49	1143.4	1.3199	1133.7	1.2345
	50	1146.8	1.2433	1135.9	1.3192

51	1162.9	1.5033	1157.0	1.6049
52	1200.1	1.1893	1181.5	1.3395
53	1202.2	1.6944	1182.0	1.5935
54	1218.1	1.4489	1215.0	1.6402
55	1238.2	1.6960	1232.3	1.6540
56	1257.7	1.7985	1251.8	1.7809
57	1280.5	3.2451	1264.0	2.2328
58	1285.1	2.6007	1270.4	3.0944
59	1322.1	2.0253	1275.8	2.0338
60	1337.8	1.6745	1317.6	2.3263
61	1356.7	1.6068	1332.2	3.9506
62	1367.3	3.4573	1338.2	1.8746
63	1373.3	1.8868	1371.4	2.2953
64	1383.9	2.7033	1377.0	2.1915
65	1394.8	3.3239	1393.1	3.6602
66	1455.8	1.2317	1431.2	2.6398
67	1482.4	2.4845	1453.1	1.2107
68	1493.4	1.0480	1476.8	2.1926
69	1497.8	3.0575	1484.8	1.0387
70	1500.1	1.1448	1490.3	1.2842
71	1502.4	1.1533	1495.3	1.0454
72	1524.9	2.5548	1497.7	2.3817
73	1528.5	1.1029	1520.8	2.2981
74	1543.3	1.0863	1524.9	1.6068
75	1563.8	5.6825	1534.0	2.9553
76	1571.7	2.6615	1537.5	1.3439
77	1598.0	5.6875	1541.6	1.6442
78	1658.7	4.8860	1572.2	2.9992
79	1682.3	5.5662	1642.0	5.2477
80	1696.2	5.3035	1654.1	5.5125
81	2995.1	1.0467	3005.0	1.0377
82	3002.8	1.0507	3014.2	1.0408
83	3062.8	1.0926	3052.1	1.1036
84	3064.1	1.0942	3055.1	1.1043
85	3139.2	1.0979	3149.8	1.0978
86	3145.9	1.0888	3159.3	1.0864
87	3150.5	1.0954	3162.6	1.0951
88	3159.4	1.0864	3178.1	1.0864
89	3174.1	1.0891	3184.0	1.0884
90	3189.1	1.0880	3185.0	1.0893
91	3198.3	1.0902	3201.3	1.0865
92	3210.0	1.0896	3213.6	1.0867
93	3226.3	1.0911	3224.8	1.0920
94	3227.9	1.0908	3226.7	1.0912
95	3259.8	1.0938	3249.9	1.0945
96	3261.5	1.0947	3263.8	1.0930

Table S4. Comparison of the energy and oscillator strength for the $S_0 \rightarrow S_i$ electronic transitions in *trans*-DPO and *trans*-DPO...MeOH complex.

	trans-]	DPO	trans-DPOMeOH		
	$\Delta E(So \rightarrow Si)$ [cm ⁻¹]	Oscillator strength	$\Delta E(S_0 \rightarrow S_i)$ [cm ⁻¹]	Oscillator strength	
S_1	26145	1.1818	25661	1.2048	
S_2	30016	0.0000	30565	0.0196	
S ₃	30209	0.0405	31376	0.0005	
S_4	32161	0.1322	32517	0.1897	
S_5	33820	0.0494	33509	0.0011	
S_6	37404	0.0029	34146	0.0414	
S_7	38927	0.0209	37528	0.0030	
S_8	39410	0.0000	38499	0.0328	
S ₉	39591	0.0120	39530	0.0118	



Fig. S3. The fluorescence decay curve of *trans*-DPO in 1,4-dioxane (exc = 375 nm, em = 464 nm).



Fig. S4. The up-conversion signals of *trans*-DPO in (a) dioxane , (b) methanol, probed at different wavelengths.