

Electronic Supplementary Information (ESI)

Enantiopure, Luminescent, Cyclometallated Ir(III) Complexes with N-Heterocyclic Carbene-Naphthalimide Chromophore: Design, Vibrational Circular Dichroism and TD-DFT Calculations

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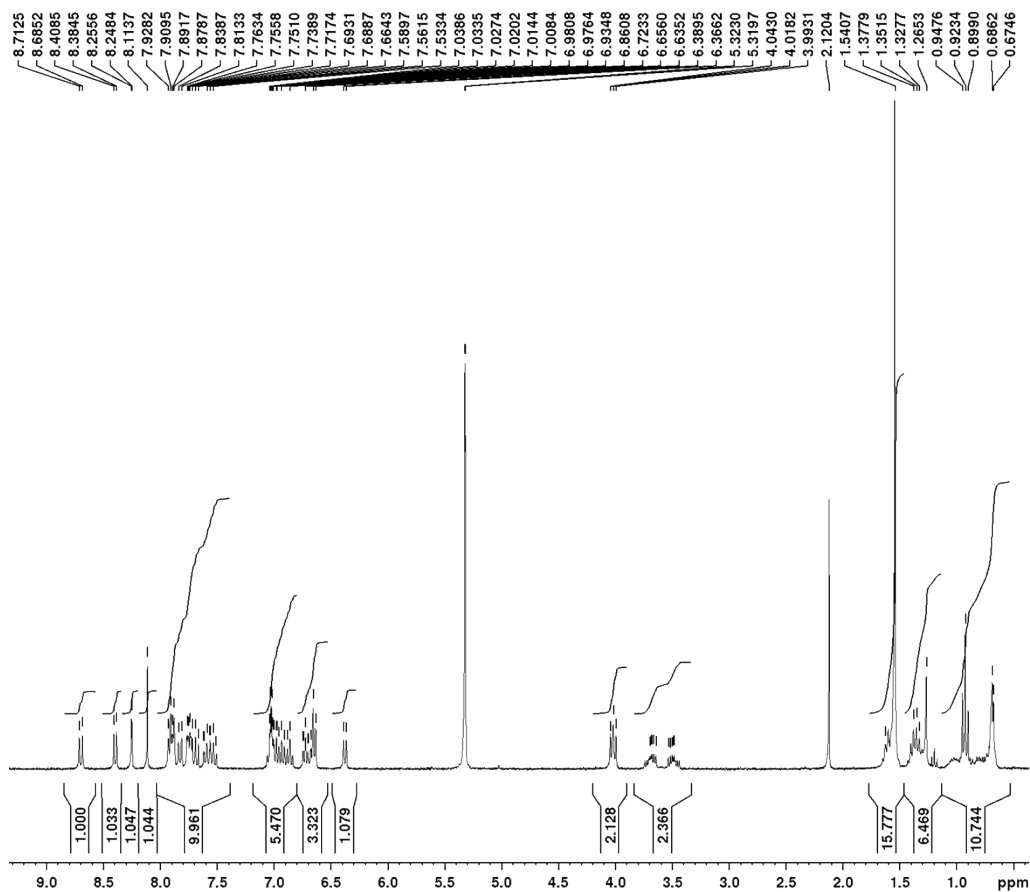


Figure S1. ¹H NMR (400 MHz, CD₂Cl₂) of compound *rac-2*

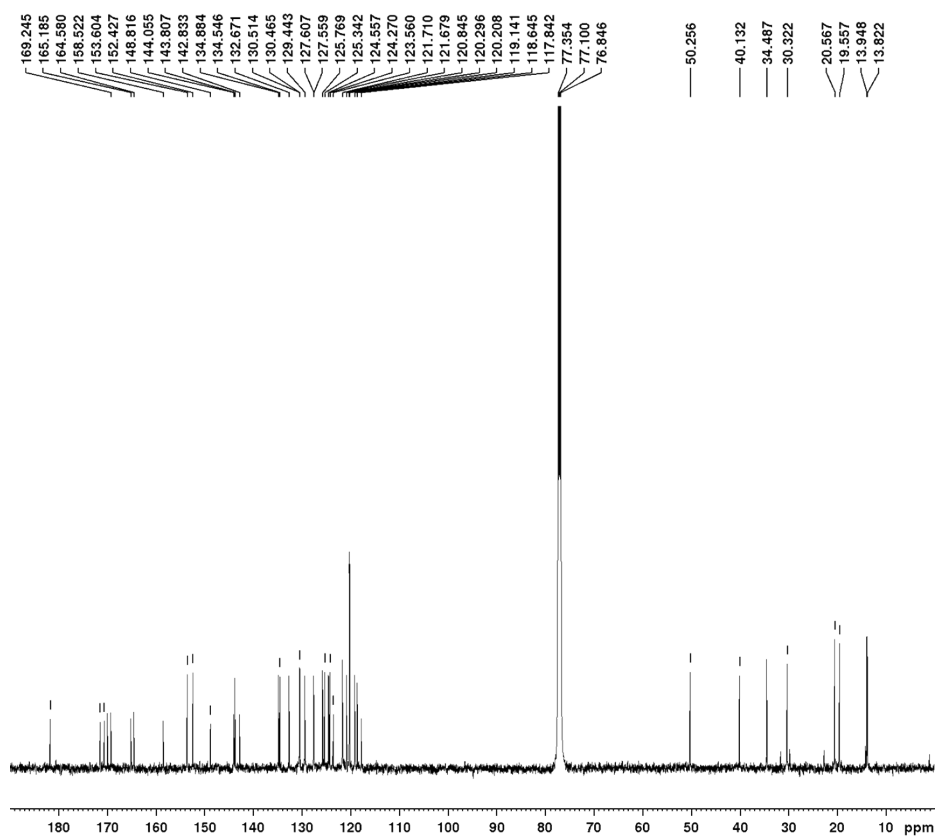


Figure S2. ¹³C NMR (125 MHz, CDCl₃) of compound *rac-2*

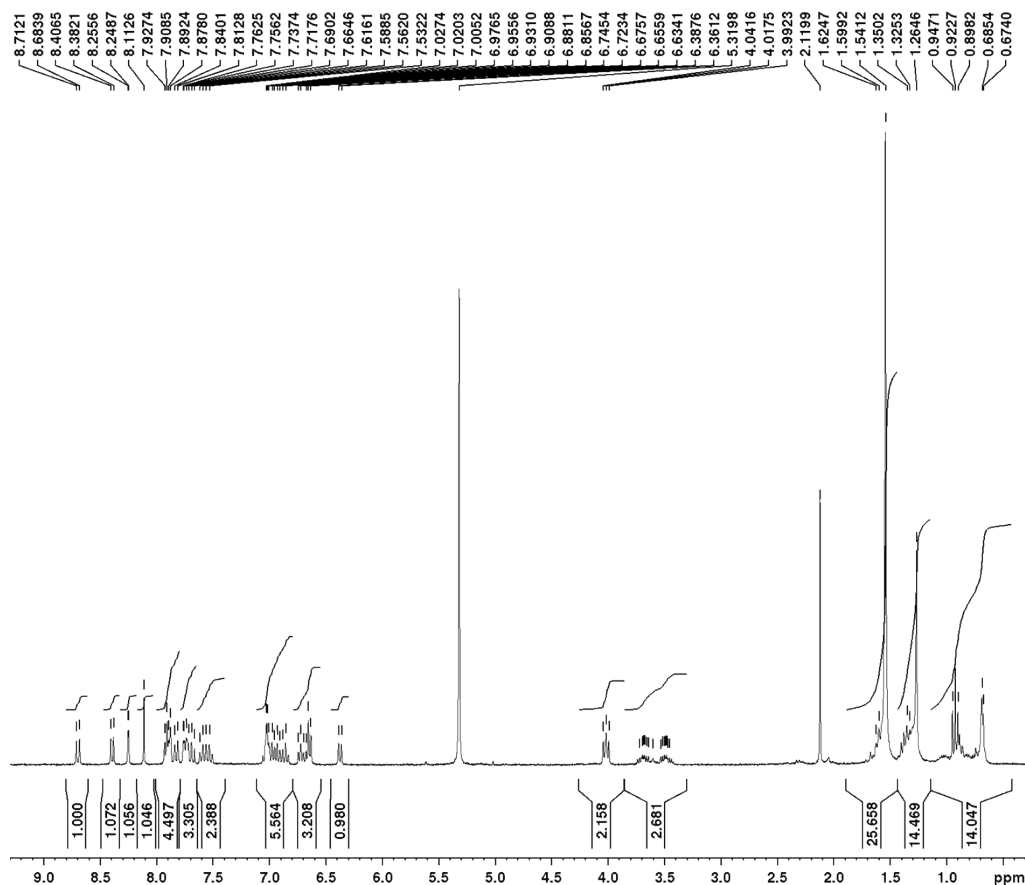


Figure S3. ¹H NMR (400 MHz, CD₂Cl₂) of compound Δ-2

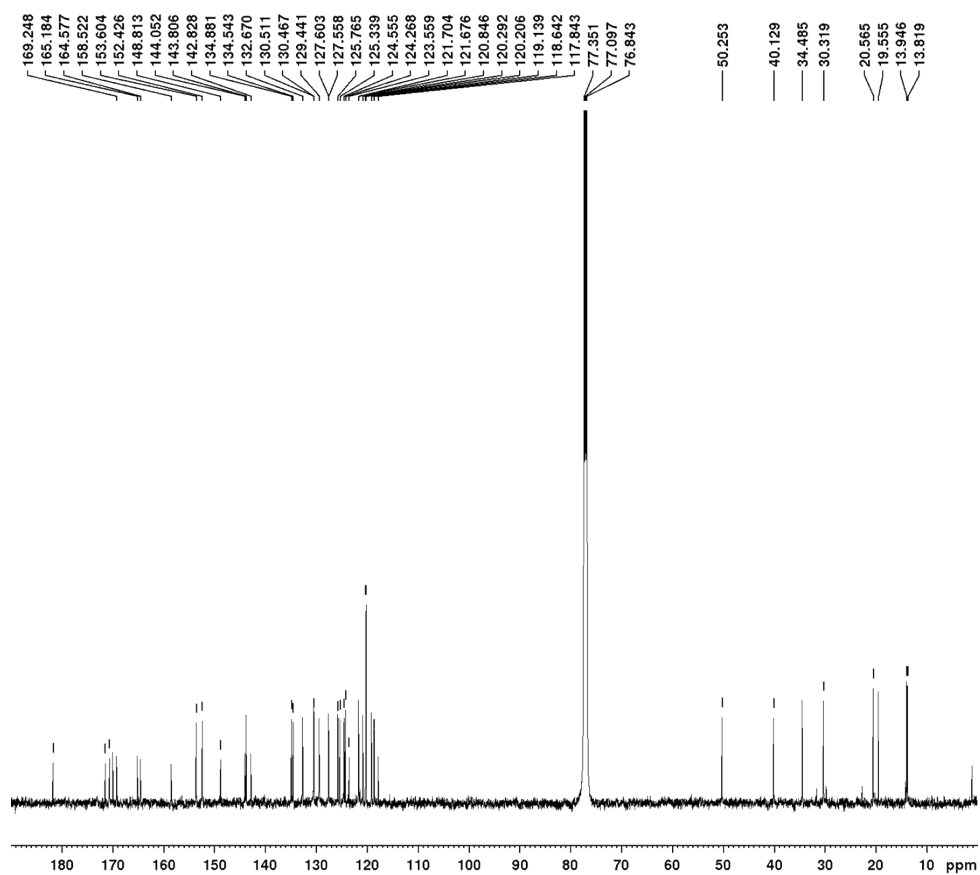


Figure S4. ¹³C NMR (125 MHz, CDCl₃) of compound Δ-2

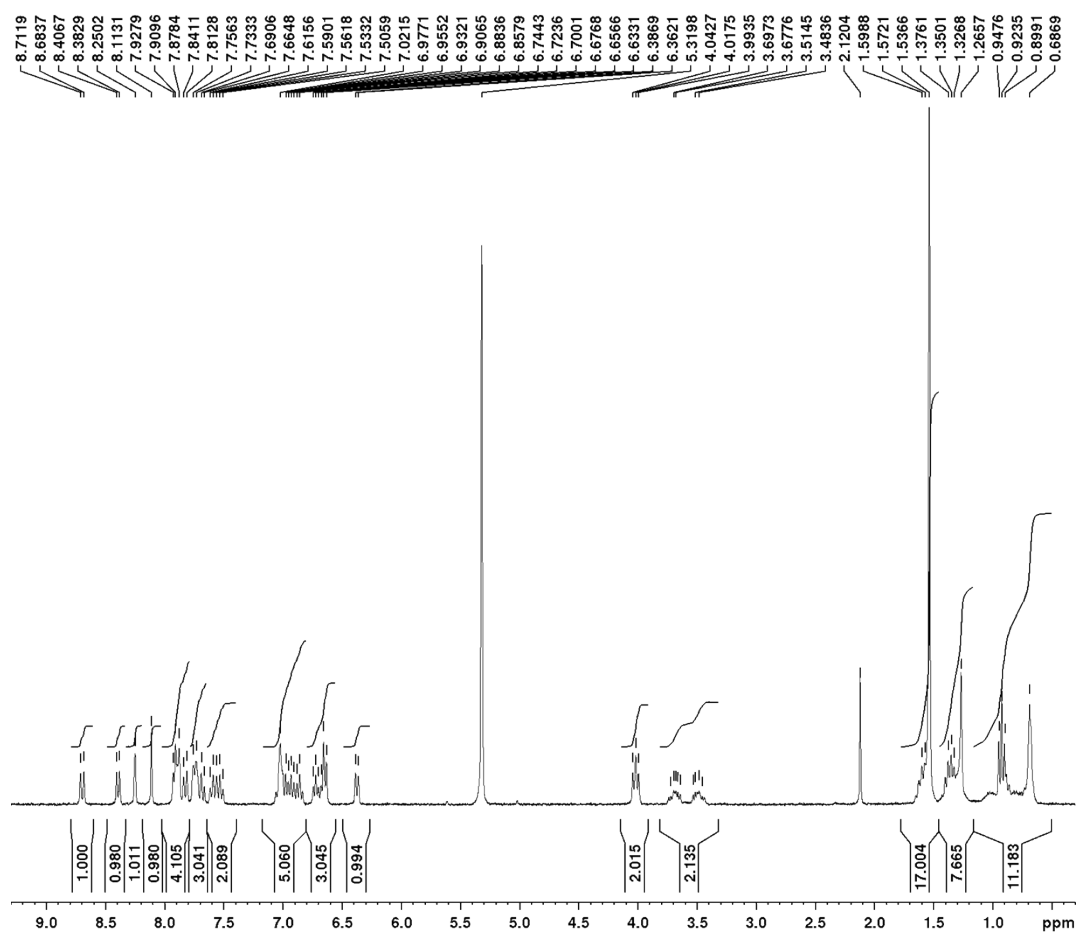


Figure S5. ¹H NMR (400 MHz, CD₂Cl₂) of compound A-2

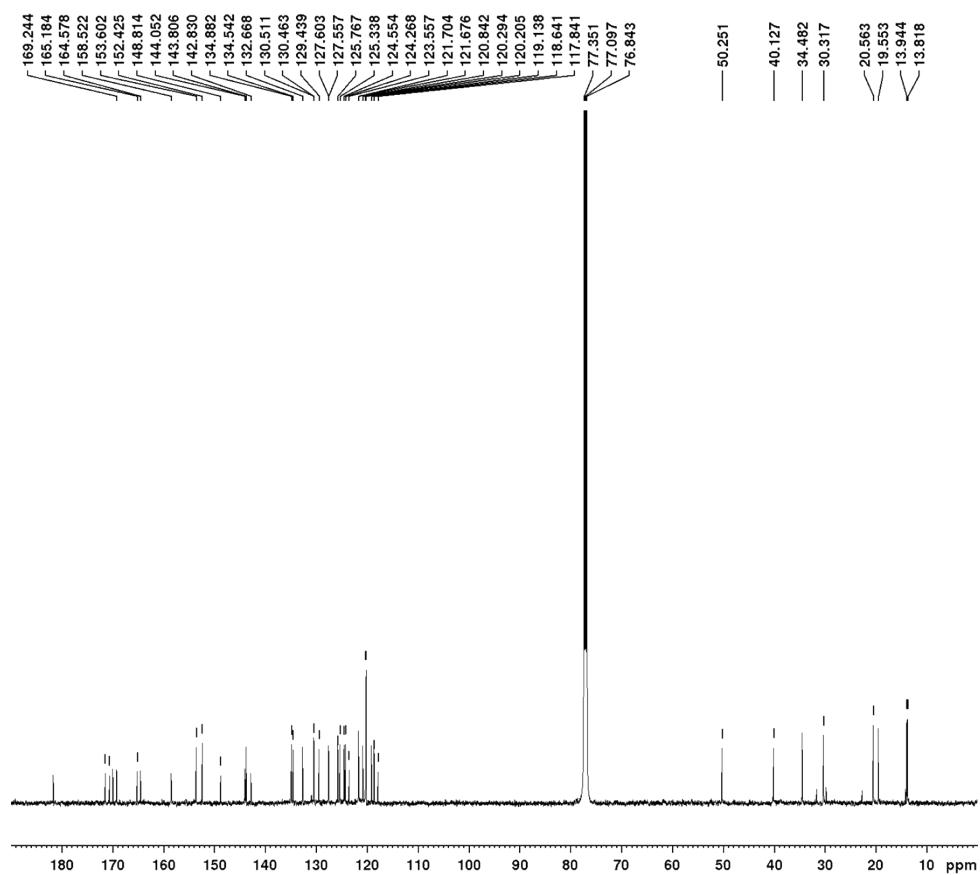


Figure S6. ¹³C NMR (125 MHz, CDCl₃) of compound A-2

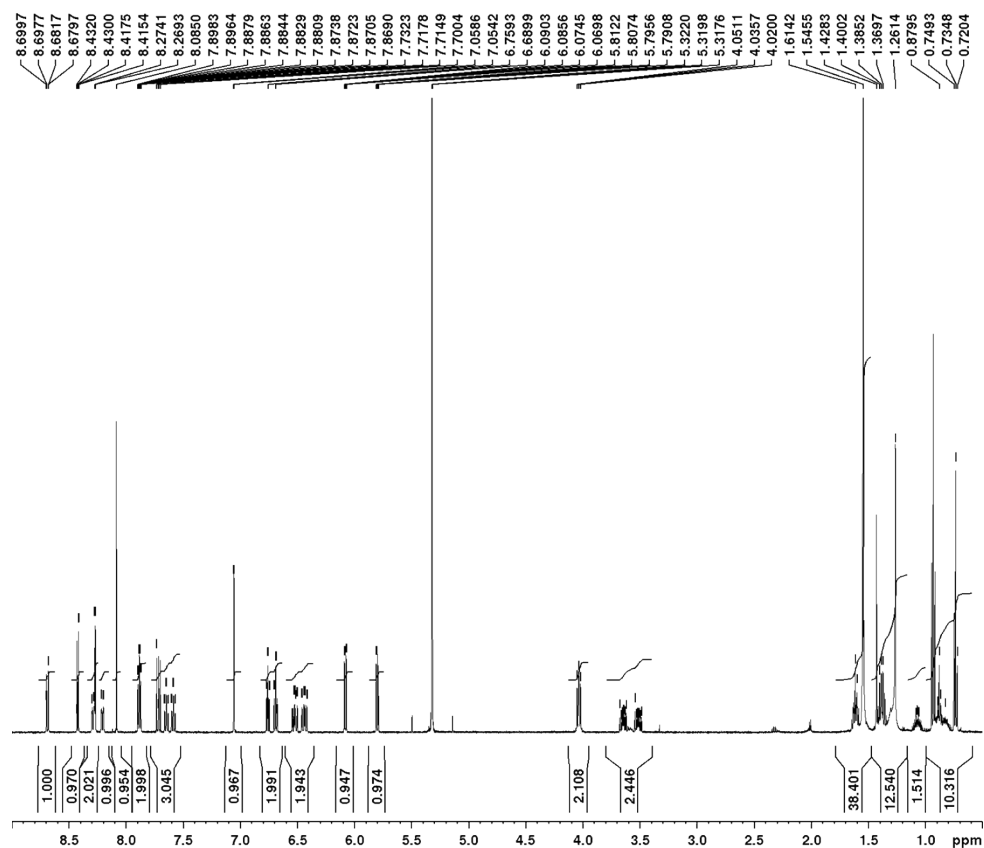


Figure S7. ¹H NMR (500 MHz, CD₂Cl₂) of compound *rac*-3

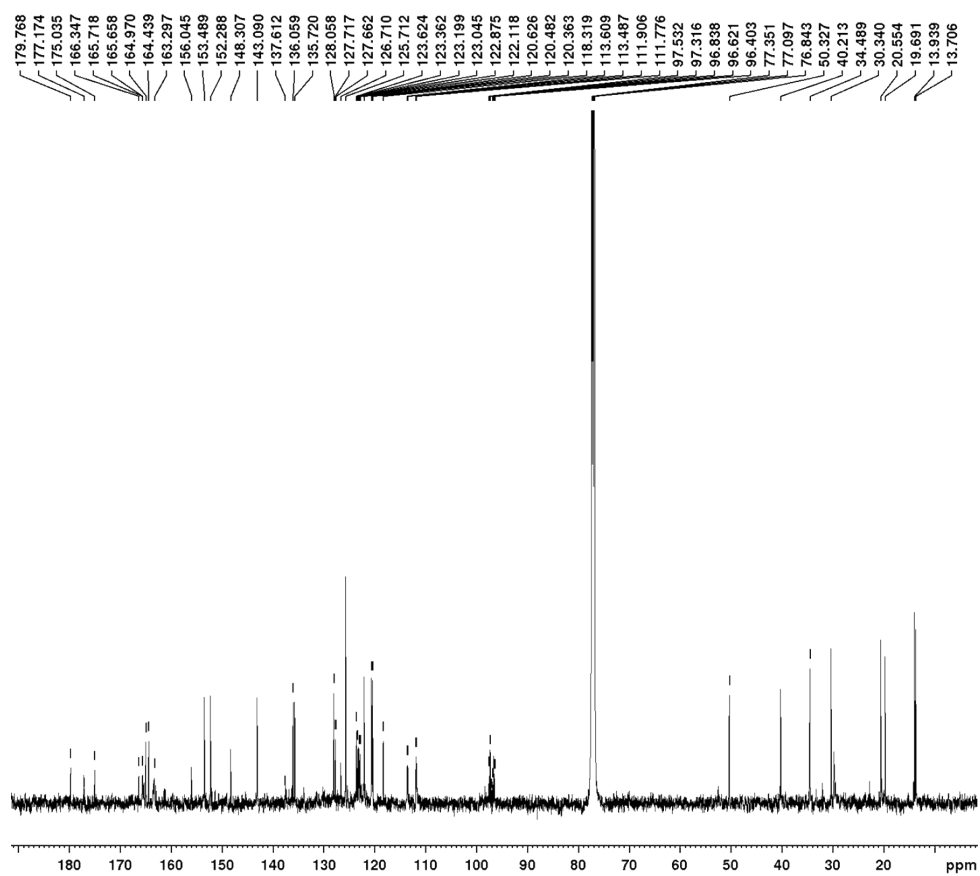


Figure S8. ¹³C NMR (125 MHz, CDCl₃) of compound *rac*-3

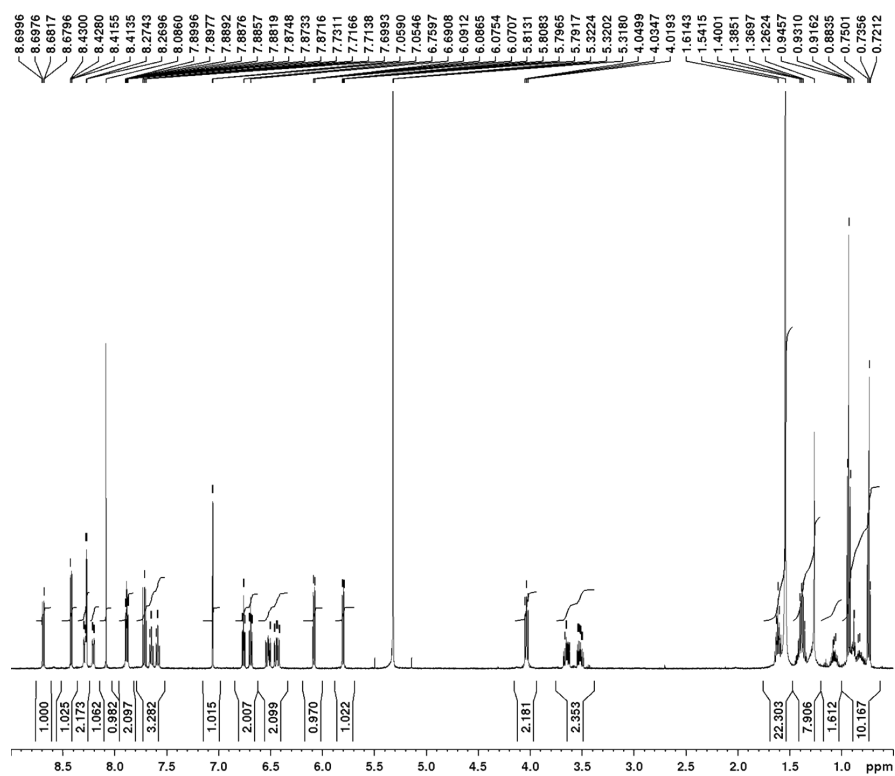


Figure S9. ^1H NMR (500 MHz, CD_2Cl_2) of compound Δ -3

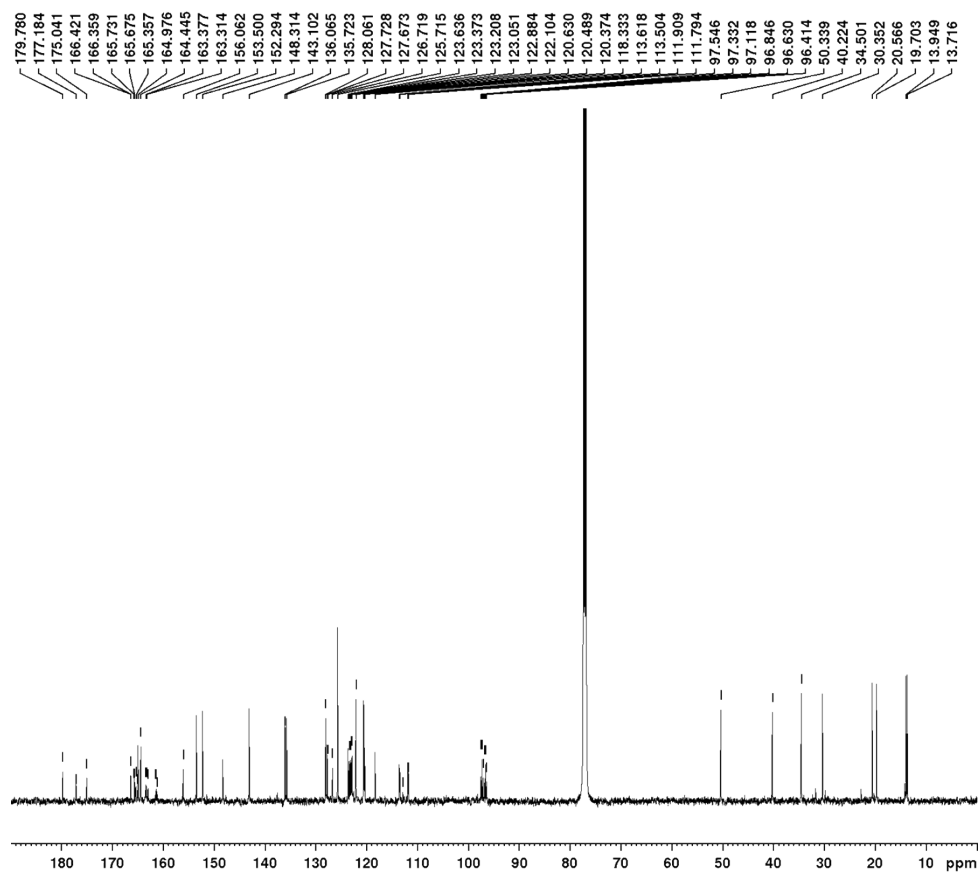


Figure S10. ^{13}C NMR (125 MHz, CDCl_3) of compound Δ -3

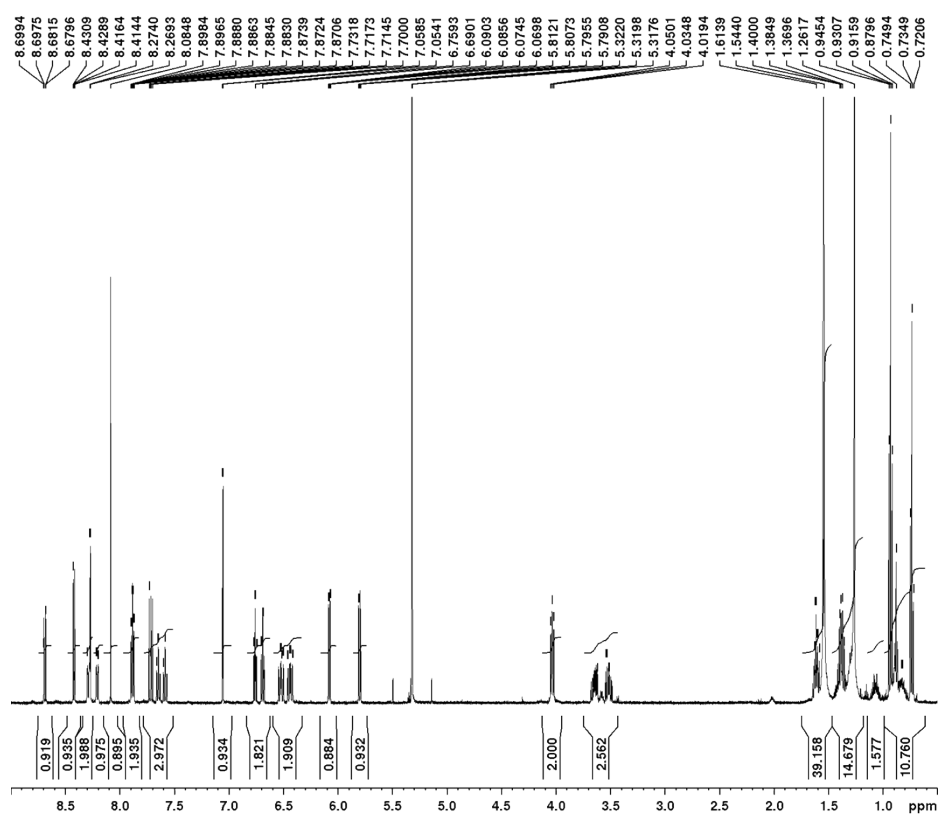


Figure S11. ¹H NMR (500 MHz, CD₂Cl₂) of compound A-3

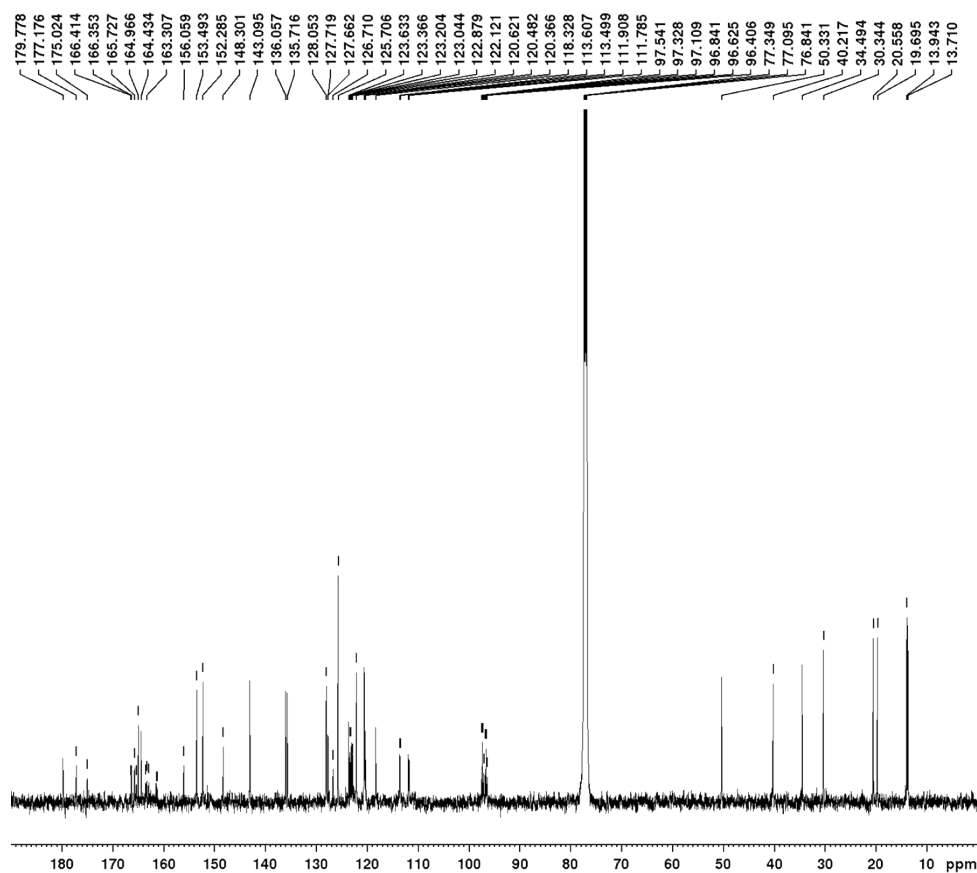


Figure S12. ¹³C NMR (125 MHz, CDCl₃) of compound A-3

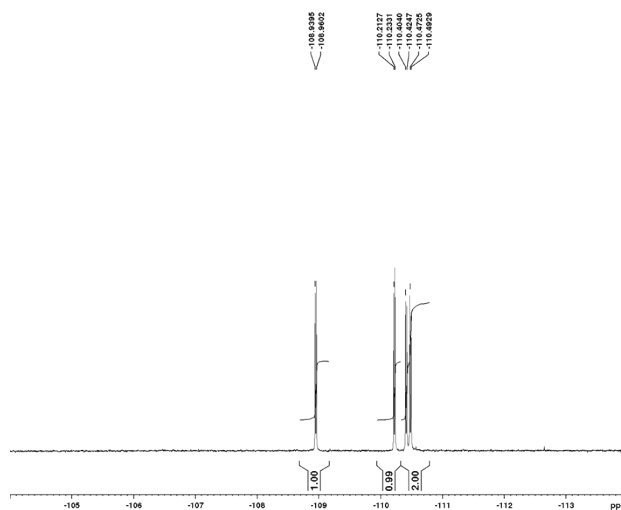


Figure S13. ^{19}F NMR (470 MHz, CD_2Cl_2) of compound $r\square\square\text{-3}$

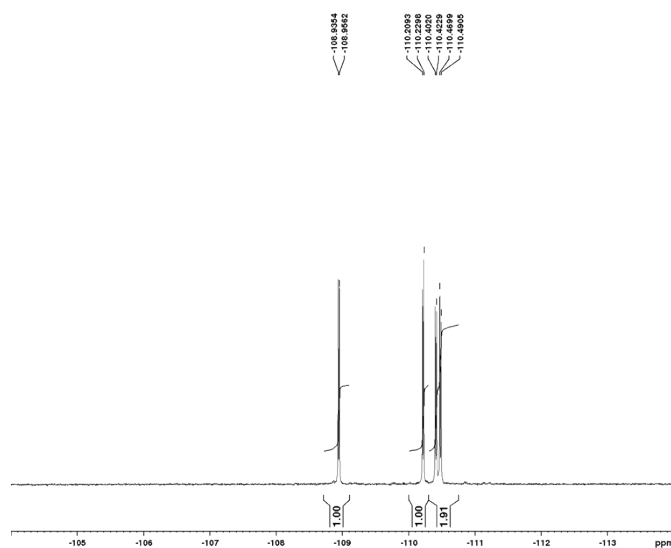


Figure S14. ^{19}F NMR (470 MHz, CD_2Cl_2) of compound $\Delta\text{-3}$

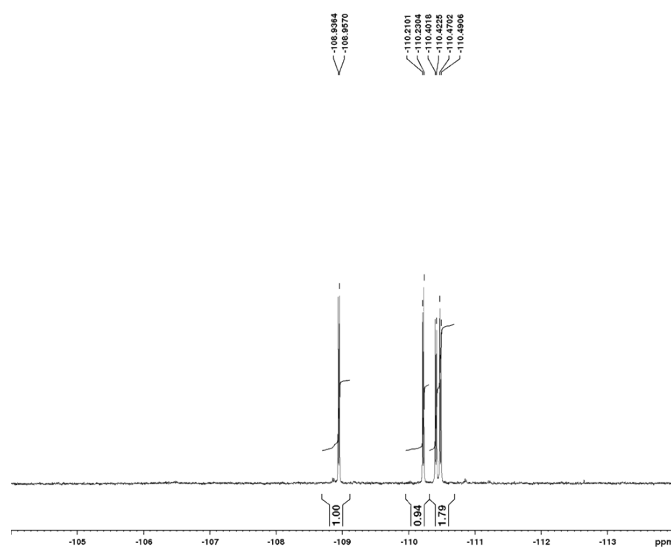
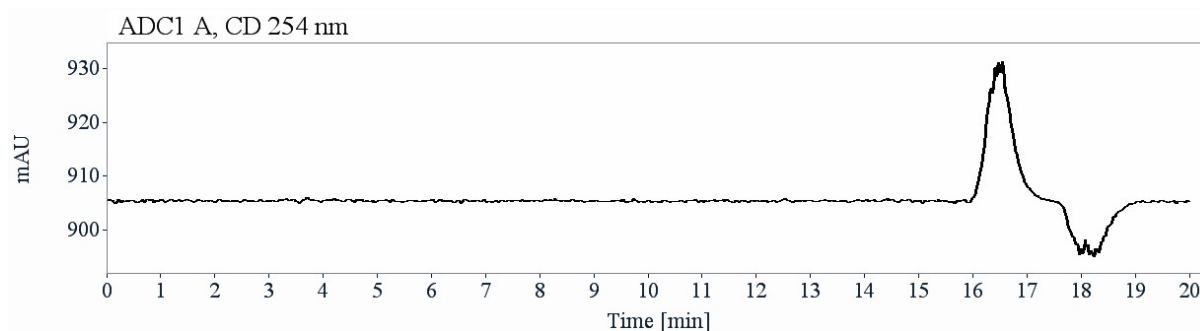
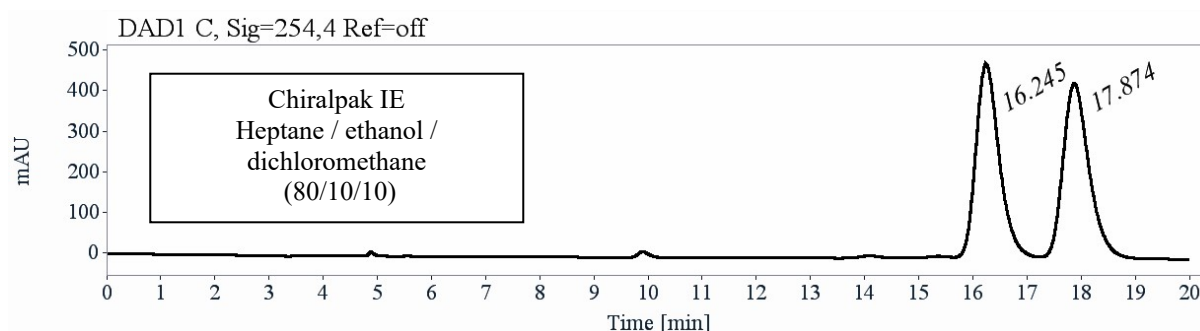


Figure S15. ^{19}F NMR (470 MHz, CD_2Cl_2) of compound $\Delta\text{-3}$

Resolution of the enantiopure compounds. They were separated through chiral column to give desired products **1-2**, **1-2** and **1-3**, **1-3**.

The compound's mixture **2** is dissolved in dichloromethane, injected on the (250 x 4.6 mm) chiral column, and detected with an UV detector at 254 nm and with circular dichroism detector at 254 nm. The flow-rate is 1 ml/min.

Column	Mobile Phase	t1	k1	t2	k2	α	Rs
Chiralpak IE	Heptane / ethanol / dichloromethane (80/10/10)	16.24(+)	4.51	17.87 (-)	5.06	1.12	1.98



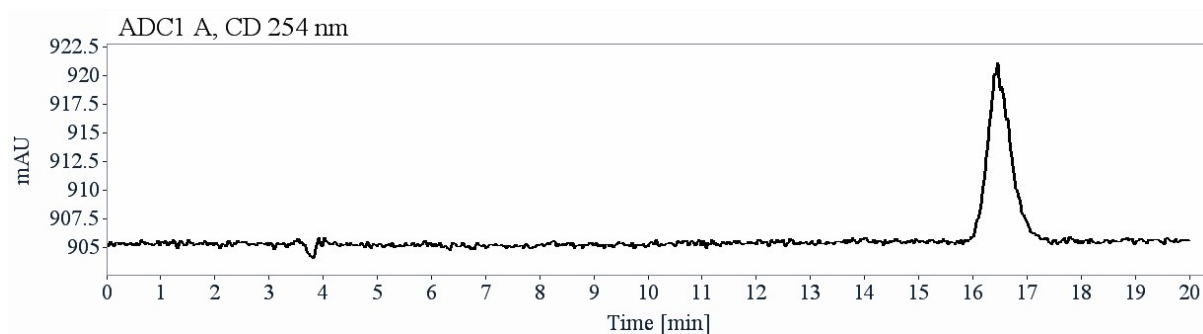
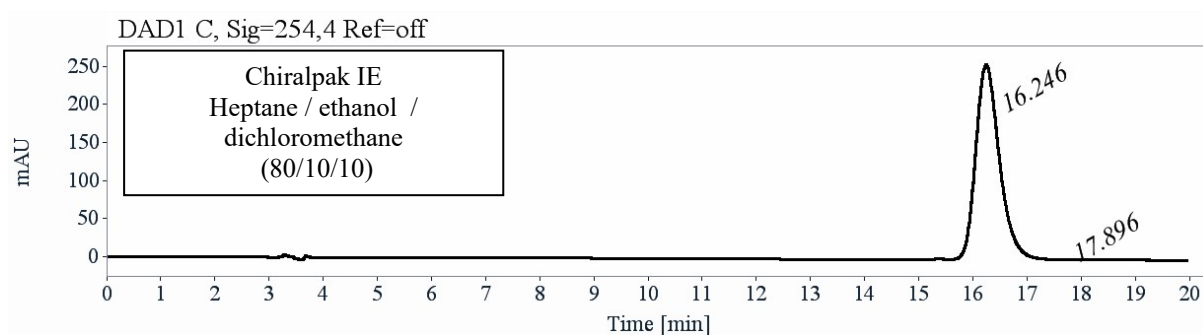
RT [min]	Area	Area%	Capacity Factor	Enantioselectivity	Resolution (USP)
16.24	14370	49.86	4.51		
17.87	14448	50.14	5.06	1.12	1.98
Sum	28818	100.00			

Preparative separation for compound 2:

- Sample preparation: About 50 mg of compound **2** is dissolved in 9 mL of a mixture of hexane/ethanol/dichloromethane (33/22/45).
- Chromatographic conditions: Chiralpak IE (250 x 10 mm), Hexane / ethanol / dichloromethane (80/10/10) as mobile phase, flow-rate = 5 mL/min, UV detection at 254 nm.
- Injections (stacked): 70 times 130 μ L, every 5 minutes.
- First fraction: 17.5 mg of the first eluted ((+, CD 254nm)-enantiomer) with ee > 99%
- Second fraction: 16.7 mg of the second eluted ((-, CD 254nm)-enantiomer) with ee > 98%

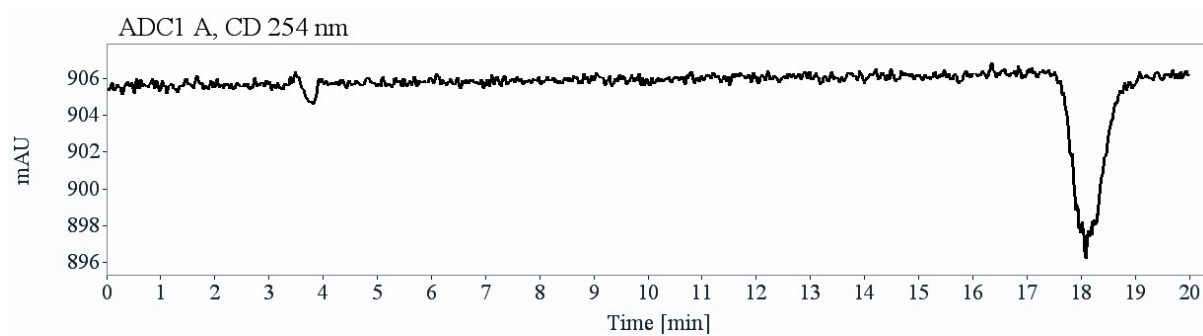
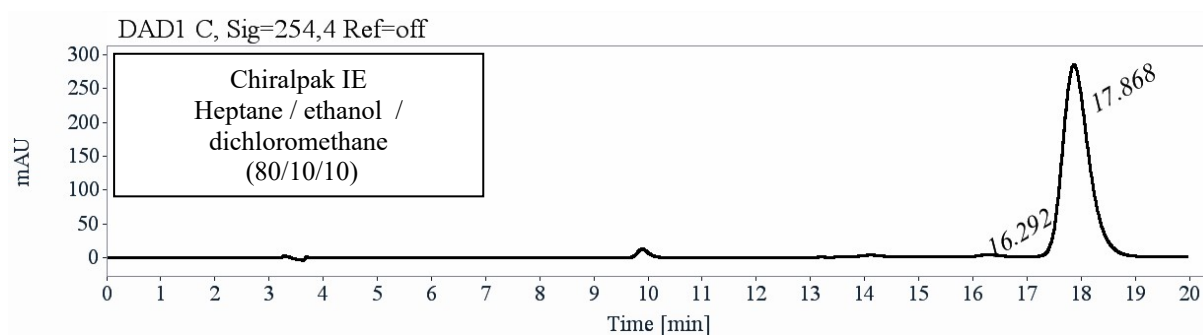
- Chromatograms of the collected fractions:

- First eluted enantiomer



RT [min]	Area	Area%
16.25	7795	99.72
17.90	22	0.28
Sum	7817	100.00

Second eluted enantiomer



RT [min]	Area	Area%
16.29	96	0.99
17.87	9611	99.01
Sum	9707	100.00

Optical rotations

Optical rotations were measured on a Jasco P-2000 polarimeter with a sodium lamp (589 nm), a halogen lamp (578 and 546 nm), in a 10 cm cell, thermostated at 25°C with a Peltier controlled cell holder.

λ (nm)	A-2 first eluted on Chiralpak IE $[\alpha]_{\lambda}^{25}$ (CH ₂ Cl ₂ , c=0.0348)	A-2 second eluted on Chiralpak IE $[\alpha]_{\lambda}^{25}$ (CH ₂ Cl ₂ , c=0.0345)
589	- 568	+ 568
578	- 594	+ 595
546	- 706	+ 708

Electronic Circular Dichroism

ECD and UV spectra were measured on a JASCO J-815 spectrometer equipped with a JASCO Peltier cell holder PTC-423 to maintain the temperature at $25.0 \pm 0.2^\circ\text{C}$. A CD quartz cell of 1 mm of optical pathlength was used. The CD spectrometer was purged with nitrogen before recording each spectrum, which was baseline subtracted.

The baseline was always measured for the same solvent and in the same cell as the samples.

The spectra are presented without smoothing and further data processing.

A-2, first eluted on Chiralpak IE: green solid line, concentration = 0.199 mmol.L⁻¹ in acetonitrile.

A-2, second eluted on Chiralpak IE: red dotted line, concentration = 0.198 mmol.L⁻¹ in acetonitrile.

Acquisition parameters: 0.1 nm as intervals, scanning speed 50 nm/min, band width 1 nm, and 3 accumulations per sample.

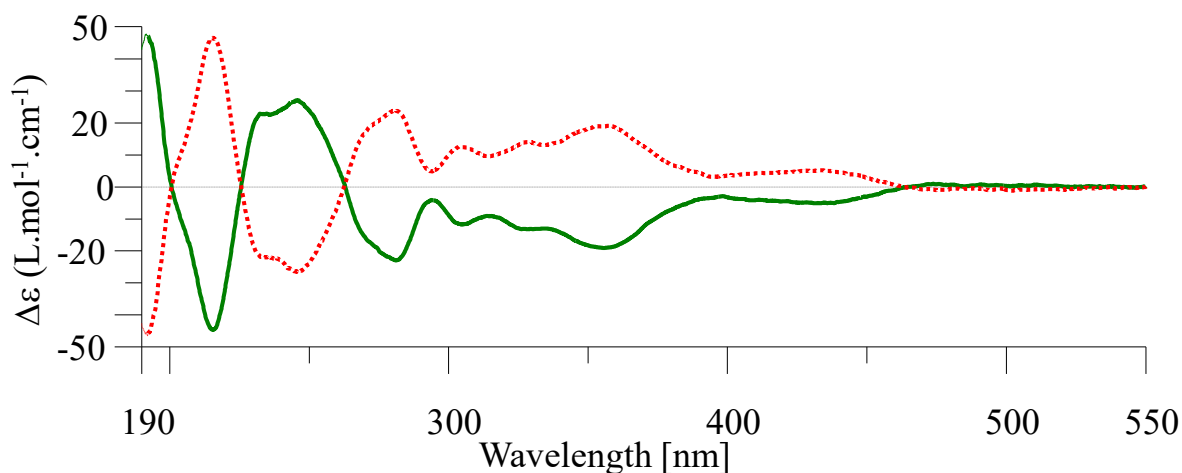


Figure S16. CD spectra of **A-2** and **A-2** recorded in CH₃CN.

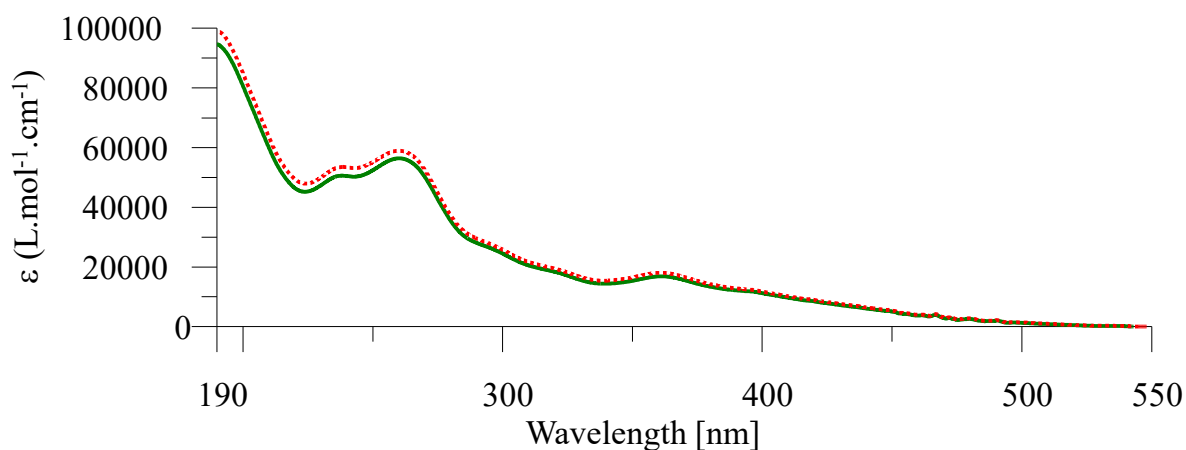
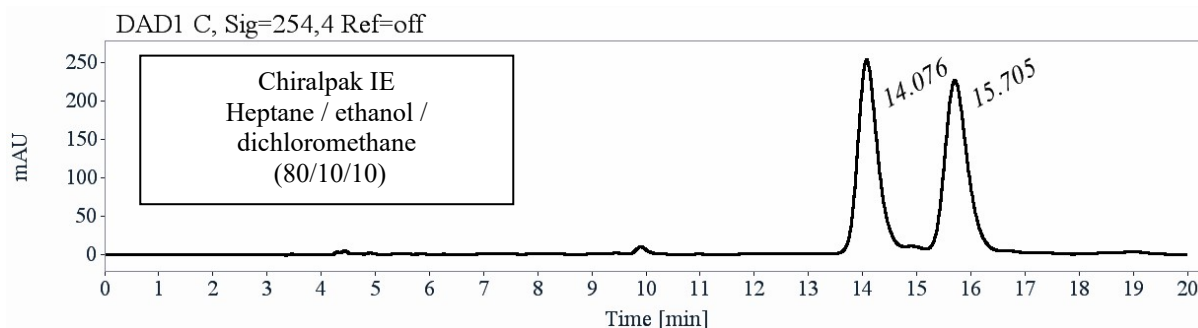


Figure S17. UV-vis of **1-2** and **2-2** recorded in CH₃CN.

Column	Mobile Phase	t1	k1	t2	k2	α	Rs
Chiralpak IE	Heptane / ethanol / dichloromethane (80/10/10)	14.08	3.77	15.71	4.32	1.15	2.29

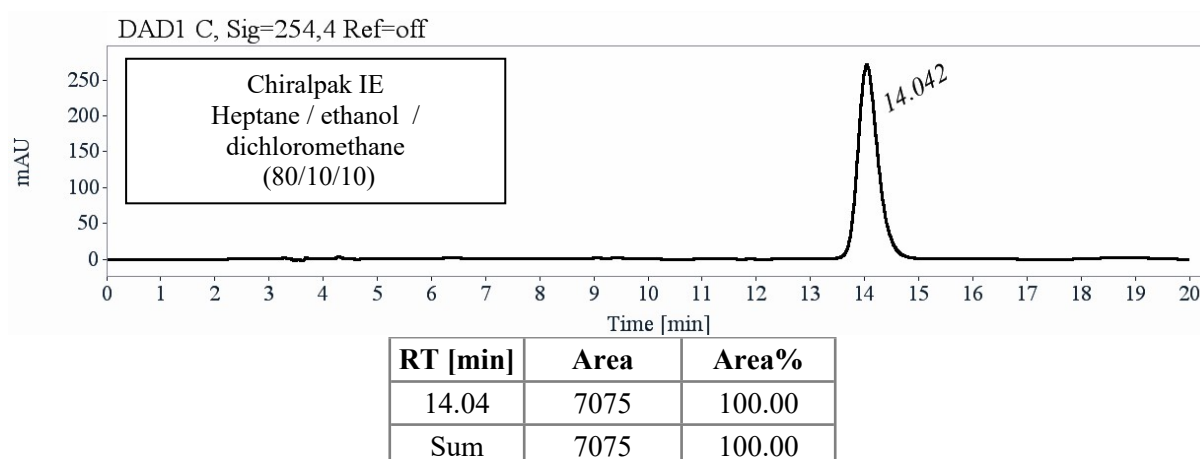


RT [min]	Area	Area%	Capacity Factor	Enantioselectivity	Resolution (USP)
14.08	6542	49.57	3.77		
15.71	6655	50.43	4.32	1.15	2.29
Sum	13198	100.00			

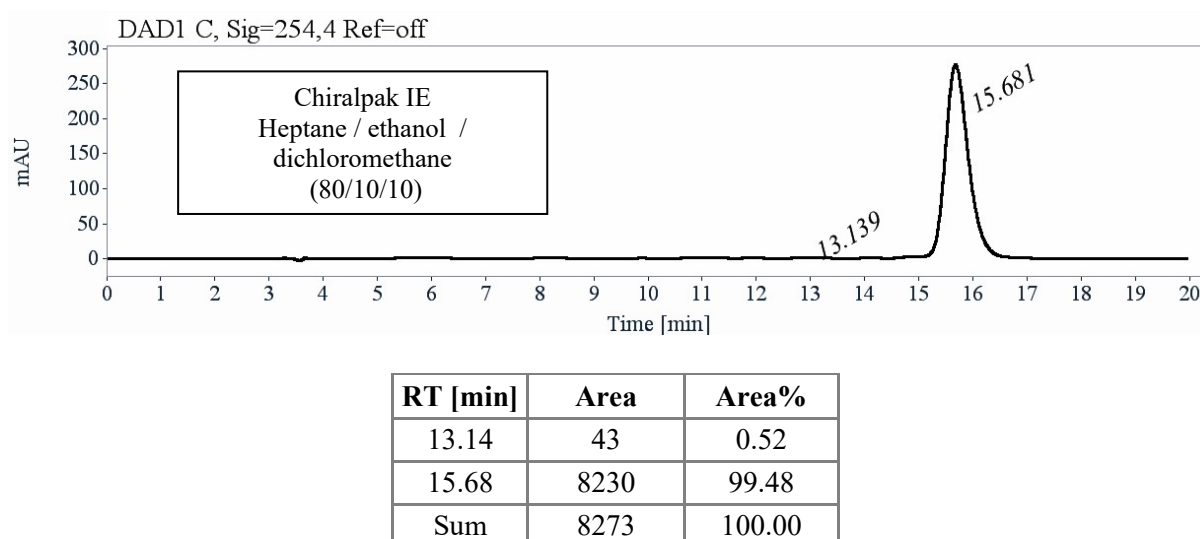
Preparative separation for compound 3:

- Sample preparation: About 50 mg of compound **3** is dissolved in 9 mL of a mixture of hexane/ethanol/dichloromethane (33/22/45).
- Chromatographic conditions: Chiralpak IE (250 x 10 mm), Hexane / ethanol / dichloromethane (80/10/10) as mobile phase, flow-rate = 5 mL/min, UV detection at 254 nm.
- Injections (stacked): 45 times 200 μL, every 6 minutes.
- First fraction: 15.9 mg of the first eluted with ee > 99.5%
- Second fraction: 16.2 mg of the second eluted with ee > 98.5%
- Chromatograms of the collected fractions:

- First eluted enantiomer



Second eluted enantiomer



Optical rotations

Optical rotations were measured on a Jasco P-2000 polarimeter with a sodium lamp (589 nm), a halogen lamp (578 and 546 nm), in a 10 cm cell, thermostated at 25°C with a Peltier controlled cell holder.

λ (nm)	A-3 first eluted on Chiralpak IE $[\alpha]_{\lambda}^{25}$ (CH ₂ Cl ₂ , c = 0.036)	A-3 second eluted on Chiralpak IE $[\alpha]_{\lambda}^{25}$ (CH ₂ Cl ₂ , c = 0.035)
589	- 370	+ 370
578	- 385	+ 385
546	- 470	+ 470

Electronic Circular Dichroism

ECD and UV spectra were measured on a JASCO J-815 spectrometer equipped with a JASCO Peltier cell holder PTC-423 to maintain the temperature at 25.0 ± 0.2°C. A CD quartz

cell of 1 mm of optical pathlength was used. The CD spectrometer was purged with nitrogen before recording each spectrum, which was baseline subtracted. The baseline was always measured for the same solvent and in the same cell as the samples. The spectra are presented without smoothing and further data processing.

A-3, first eluted on Chiralpak IE: green solid line, concentration = 0.190 mmol.L⁻¹ in acetonitrile.

A-3, second eluted on Chiralpak IE: red dotted line, concentration = 0.190 mmol.L⁻¹ in acetonitrile.

Acquisition parameters: 0.1 nm as intervals, scanning speed 50 nm/min, band width 1 nm, and 3 accumulations per sample.

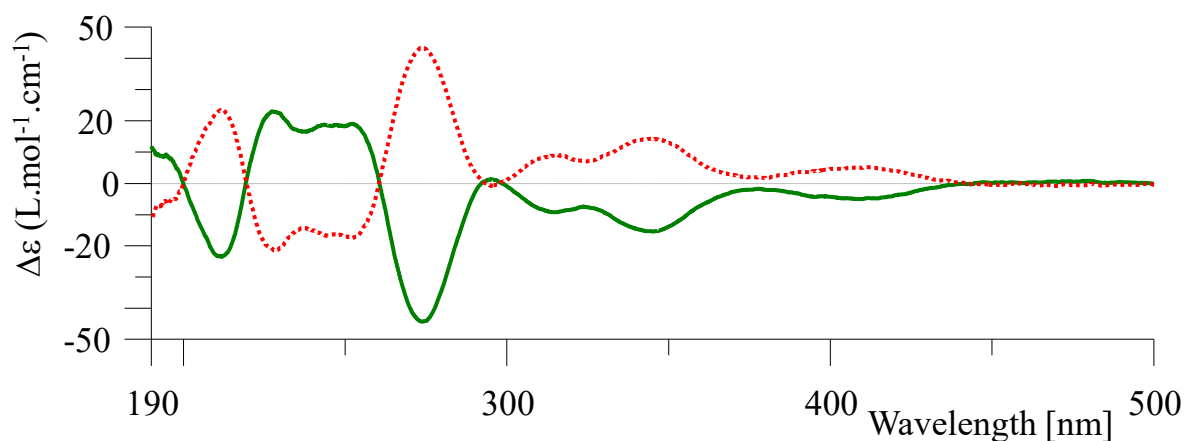


Figure S18. CD spectra of **A-3** and **A-3** recorded in CH₃CN.

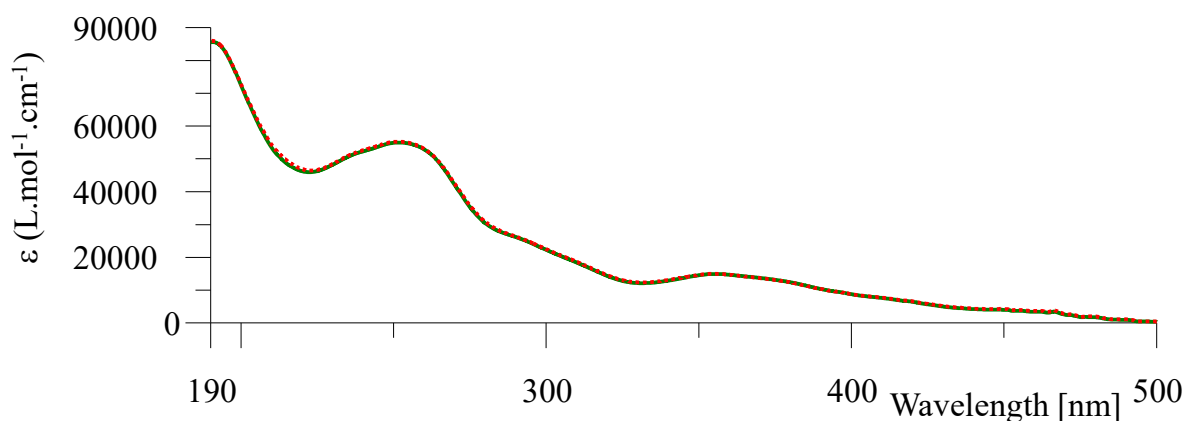


Figure S19. UV-vis of **A-3** and **A-3** recorded in CH₃CN.

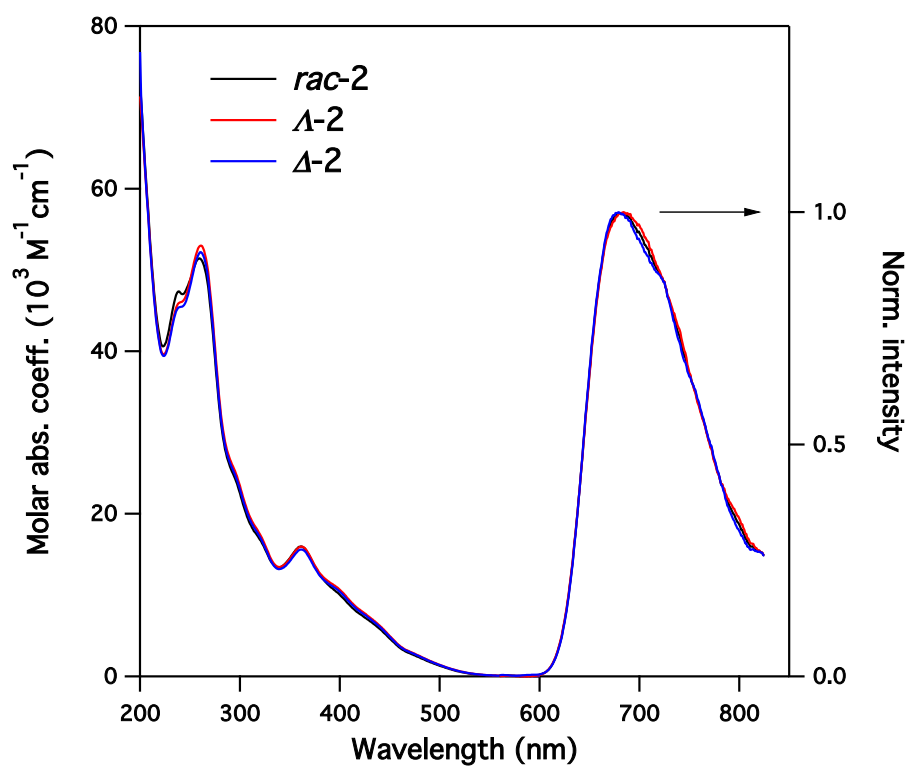


Figure S20. Absorption (left) and normalised emission (right) spectra of the *rac*-2 and the Λ -2, Δ -2 enantiomers in CH_3CN solution at room temperature.

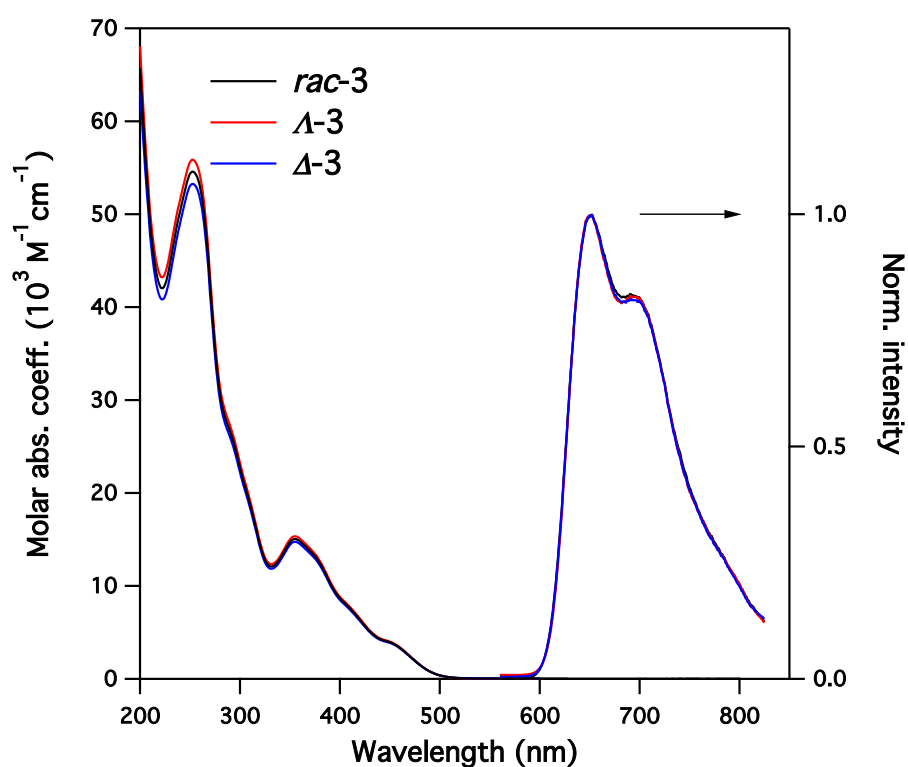


Figure S21. Absorption (left) and normalised emission (right) spectra of the *rac*-3 and the Λ -3, Δ -3 enantiomers in CH_3CN solution at room temperature.

Vibrational circular dichroism spectroscopy

IR and VCD spectra of enantiopure complexes Delta and Lambda were recorded on a Jasco FSV-6000 spectrometer in CD_2Cl_2 in a 200 microns cell and at respective concentrations of 0.015 M, and 0.02 M. The half-sum has been used as the baseline.

TD-DFT Calculations

Calculations were carried out using Gaussian 16 Rev B.01 on Linux clusters at SDSU. Orbitals were displayed in GaussView 6.0 to support the assignments of transitions given in the main text.

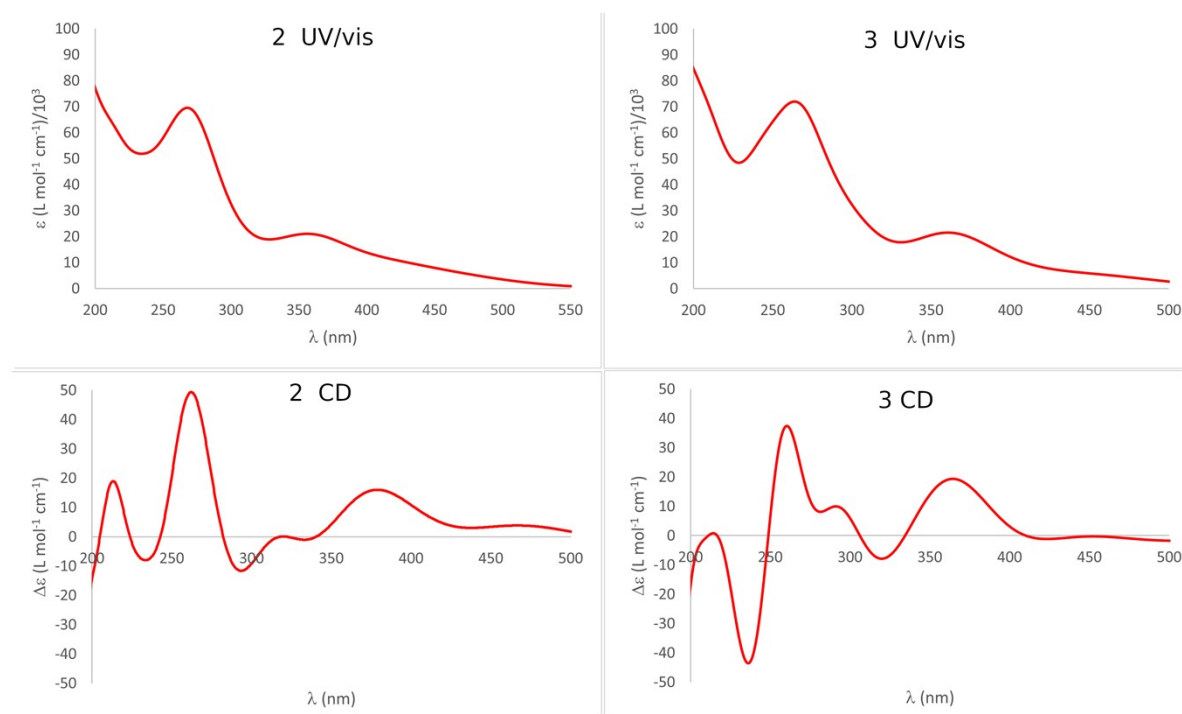


Figure S22. Simulated UV/vis (absorbance) and CD spectra based on TD-B3LYP/cc-pVDZ calculations of **1-3** and **1-2** enantiomers in CH_3CN solution.

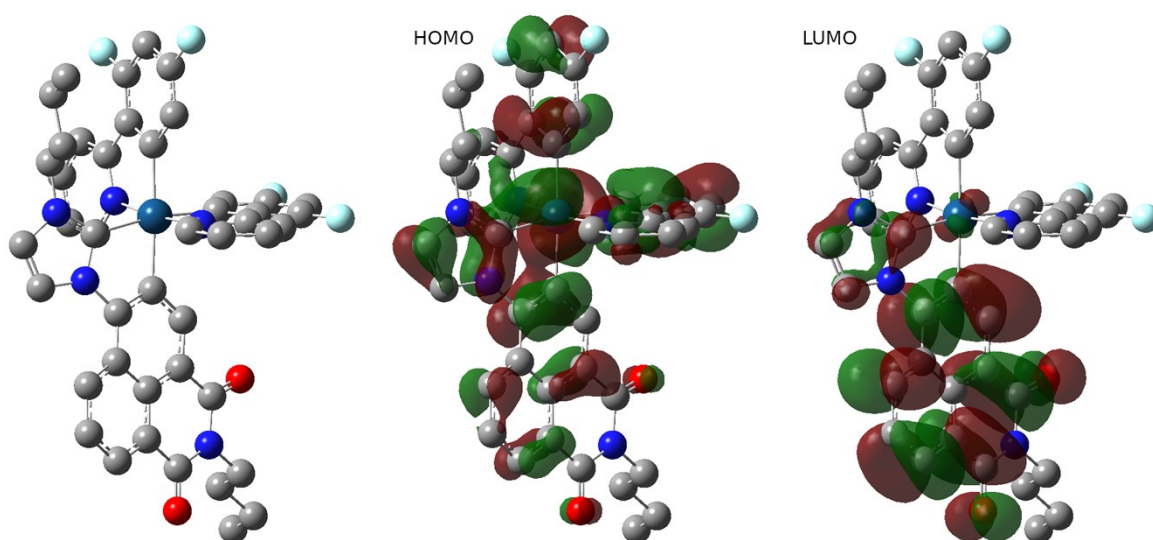


Figure S23. B3LYP/cc-pVDZ HOMO and LUMO surfaces in **1-3**, illustrating the MLCT nature of the transition.

xyz files for B3LYP/cc-pVDZ optimized geometries:

Compound 2

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compound 2

C	5.752029	1.704365	-0.321140
C	4.523755	2.467263	0.012263
C	3.250381	1.838107	-0.034071
C	3.158883	0.454060	-0.326017
C	4.369414	-0.331338	-0.644299
C	4.643721	3.796404	0.389266
C	2.059724	2.591728	0.257093
C	2.241357	3.935708	0.696920
C	3.495069	4.520345	0.758304
C	0.808172	1.896566	0.136474
C	0.707438	0.504675	-0.032961
C	1.923256	-0.181605	-0.271820
H	1.904074	-1.259499	-0.439464
H	5.634293	4.250347	0.420802
H	3.591059	5.549533	1.108749
N	5.596475	0.354677	-0.654008
O	4.340590	-1.534434	-0.897183
O	6.868726	2.217807	-0.313085
N	-0.466069	2.543112	0.216206
C	-0.836060	3.887288	0.147995
C	-1.590080	1.733268	0.269935
C	-2.190592	3.920690	0.214888
H	-0.142433	4.704377	0.016613
H	-2.871812	4.765298	0.208162
N	-2.634022	2.604525	0.301244
C	-0.998079	-1.616165	-2.534194
C	-1.041727	-1.764387	-3.931780
C	-1.720022	0.604500	-2.757137
C	-0.591330	-2.658368	-1.588050
C	-0.187086	-3.947710	-1.989642
C	0.202252	-4.886117	-1.036274
C	0.186338	-4.531457	0.321743
C	-0.217901	-3.251661	0.716390
C	-0.620329	-2.272230	-0.217061
H	-1.978157	1.532176	-2.251272
H	0.516354	-5.885516	-1.345052
H	-0.217875	-3.013398	1.783993
Ir	-1.242088	-0.331699	0.114839
C	-2.392139	-1.026234	2.754245
C	-0.203706	-0.206671	2.986252
C	-3.463580	-1.347371	1.805618
C	-2.469107	-1.196671	4.148047
C	-0.230692	-0.359962	4.366183
C	-4.704899	-1.884608	2.204224
C	-1.391958	-0.865763	4.960489
H	-3.383266	-1.592854	4.588295
H	0.644752	-0.085450	4.955068
C	-4.175492	-1.392288	-0.494620
C	-5.678960	-2.174144	1.250975
C	-5.407589	-1.927541	-0.104511
C	-1.780755	0.507896	-4.140889
C	-1.433928	-0.706827	-4.742441
C	6.809122	-0.410716	-0.996578
C	7.478860	-1.047191	0.224806
H	7.498964	0.286285	-1.487954

H	6.506013	-1.185753	-1.710813
C	8.736823	-1.836990	-0.150641
H	6.755958	-1.715297	0.724437
H	7.740202	-0.253992	0.946688
C	9.420420	-2.480247	1.058107
H	9.449387	-1.165848	-0.664521
H	8.471031	-2.619571	-0.884902
H	10.320891	-3.041016	0.760016
H	9.728315	-1.718296	1.794381
H	8.742725	-3.182904	1.572357
C	-4.056078	2.254969	0.409741
C	-4.828576	2.446476	-0.898107
H	-4.486974	2.887842	1.201564
H	-4.104816	1.211799	0.740483
H	-4.413837	1.770192	-1.665535
H	-4.681900	3.476977	-1.267953
H	-2.092834	1.372609	-4.726762
H	-0.762916	-2.719014	-4.376089
N	-1.345912	-0.419822	-1.958490
N	-1.247023	-0.524974	2.187970
H	0.677160	0.182716	2.479245
H	-1.454487	-0.999713	6.041918
C	-3.163170	-1.077963	0.438415
H	-4.001546	-1.210646	-1.559736
H	-6.640651	-2.591574	1.557161
H	-1.467135	-0.824318	-5.826994
C	-6.326651	2.173479	-0.725212
H	-6.731694	2.847462	0.051604
H	-6.466539	1.145304	-0.346234
C	-7.116983	2.353997	-2.023157
H	-8.189746	2.155698	-1.869277
H	-7.018321	3.381887	-2.411783
H	-6.758360	1.666294	-2.807844
H	1.393574	4.519028	1.044419
H	0.491585	-5.262214	1.076638
H	-4.917201	-2.083467	3.257358
H	-6.166156	-2.155740	-0.859281
H	-0.172859	-4.225898	-3.046064

Compound 3

93

compound 3

C	-6.002745	-1.647300	-0.356266
C	-4.785022	-2.486866	-0.237369
C	-3.506752	-1.883664	-0.091633
C	-3.383525	-0.472297	-0.130002
C	-4.579642	0.385141	-0.267193
C	-4.913946	-3.866517	-0.290755
C	-2.334983	-2.703167	0.059068
C	-2.511027	-4.112527	-0.062952
C	-3.764220	-4.676445	-0.231320
C	-1.088852	-2.018701	0.255130
C	-0.932320	-0.631007	0.104868
C	-2.122690	0.112827	-0.082326
H	-2.068888	1.198504	-0.177038
H	-5.906941	-4.300977	-0.407459
H	-3.857675	-5.759409	-0.329389
N	-5.823663	-0.259811	-0.379602
O	-4.523235	1.613141	-0.287120
O	-7.129984	-2.130170	-0.435283
N	0.128470	-2.685987	0.597356

C	0.372273	-3.949651	1.136886
C	1.297668	-1.946659	0.545003
C	1.706202	-4.016242	1.375826
H	-0.398774	-4.673019	1.358941
H	2.306915	-4.819444	1.789693
N	2.255693	-2.792764	1.005957
C	0.692233	0.981846	-2.724417
C	0.655406	0.909145	-4.129690
C	1.331851	-1.278975	-2.639553
C	0.395082	2.164380	-1.909879
C	-0.000123	3.418368	-2.407410
C	-0.277828	4.504710	-1.589689
C	-0.146057	4.305163	-0.217029
C	0.241165	3.090367	0.334727
C	0.520897	1.989151	-0.495524
H	1.594836	-2.123649	-2.006063
H	-0.583241	5.462341	-2.008812
H	0.318388	3.020520	1.421199
Ir	1.071235	0.085271	0.067127
C	2.439416	1.097612	2.494144
C	0.237876	0.416902	2.971615
C	3.449554	1.203524	1.435298
C	2.605052	1.471971	3.841427
C	0.354461	0.770447	4.309177
C	4.752062	1.707037	1.600634
C	1.565651	1.310299	4.750337
H	3.554591	1.888255	4.162861
H	-0.490905	0.622063	4.981237
C	3.981595	0.804918	-0.905568
C	5.675749	1.771824	0.566843
C	5.254868	1.311658	-0.679925
C	1.311765	-1.399555	-4.022664
C	0.964581	-0.279139	-4.781896
C	-7.025378	0.583877	-0.514326
C	-7.647675	0.953915	0.835204
H	-7.744022	0.022097	-1.123400
H	-6.720966	1.488656	-1.054020
C	-8.894068	1.830713	0.677338
H	-6.895733	1.483799	1.445619
H	-7.910711	0.028567	1.376696
C	-9.530301	2.209878	2.016593
H	-9.636210	1.300936	0.052235
H	-8.626814	2.748481	0.121930
H	-10.423176	2.839616	1.873960
H	-9.839237	1.312645	2.579613
H	-8.822054	2.770801	2.649996
C	3.695183	-2.518900	1.081834
C	4.465953	-3.049926	-0.129727
H	4.065551	-2.985658	2.007368
H	3.819338	-1.434594	1.174502
H	4.092632	-2.547696	-1.039427
H	4.260018	-4.128329	-0.251894
H	1.563506	-2.354853	-4.483370
H	0.384136	1.792677	-4.698964
N	1.035050	-0.130256	-1.993625
9	-0.411788	5.350126	0.605377
9	-0.134539	3.624824	-3.746433
N	1.240069	0.570635	2.078552
H	-0.683845	-0.004962	2.574977
H	1.700821	1.602479	5.793251
C	3.045805	0.733934	0.143931

H	3.733608	0.464842	-1.913141
H	6.677206	2.167475	0.729759
9	6.139583	1.363372	-1.706961
9	5.175472	2.162026	2.812379
H	0.934969	-0.329107	-5.871758
C	5.975786	-2.825237	0.003924
H	6.338592	-3.327360	0.919295
H	6.172045	-1.747145	0.145608
C	6.761763	-3.334627	-1.206300
H	7.843132	-3.165151	-1.081182
H	6.606929	-4.416566	-1.356822
H	6.446849	-2.821753	-2.130952
H	-1.648591	-4.773828	-0.072711

TD-DFT wavelengths, oscillator strengths, and transition populations (300 states) Compound 2

Excitation energies and oscillator strengths:

Excited State 1: Singlet-A 2.3758 eV 521.86 nm f=0.0038 <S**2>=0.000
189 ->190 0.70162

This state for optimization and/or second-order correction.

Total Energy, E(TD-HF/TD-DFT) = -2267.88071616

Copying the excited state density for this state as the 1-particle RhoCI density.

Excited State 2: Singlet-A 2.6311 eV 471.22 nm f=0.0655 <S**2>=0.000
188 ->190 0.69343

Excited State 3: Singlet-A 2.9432 eV 421.26 nm f=0.0726 <S**2>=0.000
186 ->190 -0.36365
187 ->190 0.57498
189 ->191 0.13215

Excited State 4: Singlet-A 2.9720 eV 417.18 nm f=0.0442 <S**2>=0.000
187 ->190 -0.14084
189 ->191 0.68109

Excited State 5: Singlet-A 2.9894 eV 414.75 nm f=0.0154 <S**2>=0.000
184 ->190 0.15177
185 ->190 -0.10894
186 ->190 0.55615
187 ->190 0.36465

Excited State 6: Singlet-A 3.0500 eV 406.51 nm f=0.0025 <S**2>=0.000
189 ->192 0.69057

Excited State 7: Singlet-A 3.2744 eV 378.64 nm f=0.0510 <S**2>=0.000
188 ->191 0.68007

Excited State 8: Singlet-A 3.2951 eV 376.27 nm f=0.0809 <S**2>=0.000
184 ->190 -0.10456
185 ->190 0.66564
186 ->190 0.16569

Excited State 9: Singlet-A 3.3810 eV 366.71 nm f=0.0110 <S**2>=0.000
184 ->190 -0.11864
187 ->191 -0.15164
188 ->192 0.64613

Excited State 10: Singlet-A 3.4406 eV 360.35 nm f=0.1409 <S**2>=0.000
182 ->190 -0.14227
183 ->190 0.19870
184 ->190 0.59862
185 ->190 0.13734
186 ->190 -0.13335
188 ->192 0.11130

Excited State 11: Singlet-A 3.4756 eV 356.73 nm f=0.0202 <S**2>=0.000
189 ->193 0.69302

Excited State 12: Singlet-A 3.5831 eV 346.02 nm f=0.0117 <S**2>=0.000
183 ->190 -0.19255
187 ->191 0.54365
187 ->192 0.13720
188 ->192 0.10832

189 ->194	-0.32814					
Excited State 13:	Singlet-A	3.6023 eV	344.18 nm	f=0.0273	<S**2>=0.000	
183 ->190	0.62430					
184 ->190	-0.17691					
187 ->191	0.11333					
189 ->194	-0.19652					
Excited State 14:	Singlet-A	3.6269 eV	341.85 nm	f=0.0253	<S**2>=0.000	
187 ->191	0.11215					
187 ->192	0.53598					
189 ->194	0.40544					
Excited State 15:	Singlet-A	3.6458 eV	340.07 nm	f=0.0213	<S**2>=0.000	
186 ->191	-0.22704					
187 ->191	-0.33512					
187 ->192	0.39099					
189 ->194	-0.37061					
Excited State 16:	Singlet-A	3.6766 eV	337.23 nm	f=0.0129	<S**2>=0.000	
184 ->191	0.11042					
186 ->191	0.55233					
186 ->192	-0.26905					
187 ->191	-0.12938					
189 ->194	-0.19987					
Excited State 17:	Singlet-A	3.7164 eV	333.62 nm	f=0.0050	<S**2>=0.000	
182 ->190	0.36697					
184 ->190	0.12478					
186 ->191	-0.10869					
186 ->192	-0.32922					
188 ->193	0.45061					
Excited State 18:	Singlet-A	3.7333 eV	332.11 nm	f=0.0076	<S**2>=0.000	
179 ->190	-0.10432					
182 ->190	0.53327					
184 ->190	0.15200					
186 ->191	0.11099					
186 ->192	0.14150					
188 ->193	-0.35148					
Excited State 19:	Singlet-A	3.7713 eV	328.76 nm	f=0.0901	<S**2>=0.000	
186 ->191	0.24746					
186 ->192	0.49668					
188 ->193	0.37973					
Excited State 20:	Singlet-A	3.8308 eV	323.65 nm	f=0.0014	<S**2>=0.000	
179 ->190	0.63110					
180 ->190	0.13901					
181 ->190	-0.21016					
182 ->190	0.10128					
Excited State 21:	Singlet-A	3.8830 eV	319.30 nm	f=0.0113	<S**2>=0.000	
185 ->191	-0.15084					
188 ->194	0.66062					
Excited State 22:	Singlet-A	3.9368 eV	314.94 nm	f=0.0078	<S**2>=0.000	
179 ->190	0.19940					
180 ->190	-0.14308					
181 ->190	0.48247					
188 ->196	0.14166					
189 ->195	-0.33769					
Excited State 23:	Singlet-A	3.9576 eV	313.28 nm	f=0.0068	<S**2>=0.000	
179 ->190	0.10912					
180 ->190	-0.13725					
181 ->190	0.30439					
189 ->195	0.57121					
Excited State 24:	Singlet-A	3.9855 eV	311.09 nm	f=0.0331	<S**2>=0.000	
184 ->191	-0.11438					
185 ->191	0.59465					
187 ->193	-0.23477					
188 ->194	0.15556					
Excited State 25:	Singlet-A	4.0441 eV	306.58 nm	f=0.0184	<S**2>=0.000	
183 ->192	0.12153					
184 ->191	0.15698					
185 ->191	0.21028					
185 ->192	0.30201					

187 ->193	0.53089					
Excited State 26:	Singlet-A	4.0548 eV	305.77 nm	f=0.0014	<S**2>=0.000	
180 ->190	0.60417					
181 ->190	0.28488					
188 ->196	-0.12432					
Excited State 27:	Singlet-A	4.0703 eV	304.60 nm	f=0.0437	<S**2>=0.000	
185 ->191	-0.10835					
185 ->192	0.55279					
186 ->193	0.12396					
187 ->193	-0.29525					
187 ->194	-0.16360					
Excited State 28:	Singlet-A	4.1150 eV	301.30 nm	f=0.0241	<S**2>=0.000	
178 ->190	-0.12121					
184 ->191	-0.14586					
188 ->195	0.60379					
188 ->196	0.10393					
189 ->195	0.13292					
189 ->196	-0.13042					
Excited State 29:	Singlet-A	4.1388 eV	299.56 nm	f=0.0596	<S**2>=0.000	
182 ->191	-0.12908					
184 ->191	0.51759					
184 ->192	-0.11811					
185 ->191	0.13245					
185 ->192	-0.16190					
186 ->191	-0.10519					
186 ->193	0.12185					
187 ->193	-0.11933					
187 ->194	-0.27961					
Excited State 30:	Singlet-A	4.1520 eV	298.61 nm	f=0.0173	<S**2>=0.000	
178 ->190	0.10248					
184 ->191	-0.14194					
186 ->193	0.39130					
187 ->194	-0.12321					
189 ->196	0.47484					
Excited State 31:	Singlet-A	4.1636 eV	297.78 nm	f=0.0272	<S**2>=0.000	
185 ->192	-0.10883					
186 ->193	0.52329					
187 ->194	0.13066					
188 ->195	-0.12359					
189 ->196	-0.36544					
Excited State 32:	Singlet-A	4.1798 eV	296.63 nm	f=0.0202	<S**2>=0.000	
183 ->191	0.28168					
184 ->191	0.21217					
184 ->192	0.11235					
186 ->193	0.11096					
187 ->194	0.46451					
188 ->195	0.17217					
189 ->196	0.18199					
Excited State 33:	Singlet-A	4.2245 eV	293.49 nm	f=0.0121	<S**2>=0.000	
174 ->190	-0.29455					
177 ->190	0.25762					
178 ->190	0.36080					
184 ->192	-0.16693					
188 ->196	-0.29931					
189 ->196	-0.18117					
Excited State 34:	Singlet-A	4.2426 eV	292.23 nm	f=0.0155	<S**2>=0.000	
174 ->190	-0.10358					
178 ->190	0.13164					
182 ->192	-0.10861					
183 ->191	-0.16732					
184 ->191	0.13056					
184 ->192	0.57919					
186 ->192	-0.11197					
Excited State 35:	Singlet-A	4.2998 eV	288.35 nm	f=0.0181	<S**2>=0.000	
183 ->191	0.21541					
186 ->194	0.63973					
Excited State 36:	Singlet-A	4.3241 eV	286.73 nm	f=0.0854	<S**2>=0.000	
174 ->190	-0.19268					
177 ->190	-0.11417					

182 ->191	0.19352					
183 ->191	0.32732					
183 ->192	0.24066					
185 ->193	0.30416					
185 ->194	0.14259					
186 ->194	-0.17908					
187 ->194	-0.18932					
Excited State 37:	Singlet-A	4.3370 eV	285.88 nm	f=0.0431	<S**2>=0.000	
174 ->190	0.42347					
176 ->190	-0.17305					
177 ->190	0.24187					
180 ->190	-0.10931					
183 ->191	0.16781					
183 ->192	0.10227					
185 ->193	0.13441					
187 ->194	-0.10260					
188 ->196	-0.30918					
Excited State 38:	Singlet-A	4.3763 eV	283.31 nm	f=0.1123	<S**2>=0.000	
182 ->192	0.14044					
183 ->191	-0.32276					
183 ->192	0.47341					
184 ->192	-0.13845					
184 ->193	-0.12681					
185 ->193	0.15840					
186 ->194	0.14504					
187 ->194	0.16163					
Excited State 39:	Singlet-A	4.3823 eV	282.92 nm	f=0.0442	<S**2>=0.000	
182 ->191	0.56495					
183 ->191	-0.15785					
183 ->192	-0.22257					
184 ->191	0.16273					
187 ->194	0.11238					
Excited State 40:	Singlet-A	4.3970 eV	281.98 nm	f=0.0025	<S**2>=0.000	
174 ->190	0.25503					
175 ->190	-0.11613					
177 ->190	-0.39391					
178 ->190	0.45916					
187 ->195	0.14069					
Excited State 41:	Singlet-A	4.4343 eV	279.60 nm	f=0.0096	<S**2>=0.000	
182 ->191	-0.14565					
182 ->192	0.52627					
183 ->191	-0.10496					
183 ->192	-0.19115					
184 ->193	0.11602					
185 ->193	0.26423					
Excited State 42:	Singlet-A	4.4939 eV	275.89 nm	f=0.1933	<S**2>=0.000	
177 ->190	-0.19532					
178 ->190	-0.12467					
182 ->192	-0.28023					
183 ->192	-0.15026					
185 ->193	0.38209					
185 ->194	-0.12052					
188 ->196	-0.25217					
Excited State 43:	Singlet-A	4.5215 eV	274.21 nm	f=0.0319	<S**2>=0.000	
174 ->190	-0.10134					
178 ->190	-0.18357					
182 ->192	0.13612					
185 ->193	-0.19560					
186 ->195	-0.19874					
187 ->195	0.52453					
188 ->196	-0.14580					
Excited State 44:	Singlet-A	4.5403 eV	273.08 nm	f=0.2605	<S**2>=0.000	
177 ->190	0.27969					
185 ->193	0.21934					
185 ->194	-0.22596					
185 ->196	0.13654					
186 ->195	-0.11090					
187 ->195	0.29256					
188 ->196	0.31704					
189 ->197	-0.11023					
Excited State 45:	Singlet-A	4.5585 eV	271.99 nm	f=0.0168	<S**2>=0.000	

175 ->190	-0.12996						
176 ->190	-0.20012						
184 ->193	-0.13245						
185 ->195	-0.15020						
186 ->195	0.37249						
187 ->195	0.23427						
189 ->197	0.36574						
Excited State 46:	Singlet-A	4.5840 eV	270.47 nm	f=0.0027	<S**2>=0.000		
180 ->191	0.30620						
180 ->192	0.16851						
181 ->191	0.44499						
181 ->192	0.21423						
184 ->193	-0.20706						
185 ->194	0.11285						
Excited State 47:	Singlet-A	4.6083 eV	269.05 nm	f=0.0723	<S**2>=0.000		
174 ->190	0.10137						
176 ->190	0.29461						
184 ->193	0.26160						
185 ->194	0.35969						
185 ->195	-0.10323						
186 ->195	0.27042						
187 ->195	0.11234						
189 ->197	-0.15373						
Excited State 48:	Singlet-A	4.6136 eV	268.74 nm	f=0.0855	<S**2>=0.000		
176 ->190	-0.23956						
182 ->192	-0.11136						
185 ->194	0.42060						
186 ->195	-0.32078						
189 ->197	0.17669						
Excited State 49:	Singlet-A	4.6208 eV	268.32 nm	f=0.0224	<S**2>=0.000		
176 ->190	-0.20169						
180 ->192	0.12655						
181 ->191	0.11414						
181 ->192	0.23295						
182 ->191	0.10213						
183 ->192	0.10188						
184 ->193	0.48271						
185 ->194	-0.14386						
187 ->196	0.10266						
189 ->197	0.10534						
Excited State 50:	Singlet-A	4.6353 eV	267.48 nm	f=0.0066	<S**2>=0.000		
174 ->190	0.14655						
176 ->190	0.42337						
185 ->194	-0.11666						
186 ->195	-0.17990						
189 ->197	0.39489						
189 ->208	0.13390						
Excited State 51:	Singlet-A	4.6907 eV	264.32 nm	f=0.0514	<S**2>=0.000		
175 ->190	-0.13546						
176 ->190	-0.13573						
185 ->194	-0.12006						
185 ->195	-0.13596						
186 ->196	0.10051						
187 ->196	-0.27844						
188 ->197	-0.16844						
188 ->208	-0.13374						
189 ->197	-0.18670						
189 ->198	0.31411						
189 ->208	0.23857						
Excited State 52:	Singlet-A	4.6981 eV	263.90 nm	f=0.0294	<S**2>=0.000		
175 ->190	0.42153						
183 ->195	0.10285						
184 ->195	0.12310						
185 ->195	0.25101						
185 ->196	0.10855						
186 ->195	0.19251						
187 ->196	-0.24218						
188 ->197	0.22225						
189 ->198	0.12824						
Excited State 53:	Singlet-A	4.7171 eV	262.84 nm	f=0.0121	<S**2>=0.000		
180 ->192	0.20252						
181 ->191	-0.27385						

181 ->192	0.32221					
183 ->193	-0.31745					
184 ->193	-0.12445					
184 ->194	-0.31217					
187 ->196	-0.12830					
Excited State 54:	Singlet-A	4.7346 eV	261.87 nm	f=0.0369	<S**2>=0.000	
184 ->194	-0.13400					
186 ->196	-0.25910					
187 ->196	0.44920					
188 ->198	-0.10434					
188 ->208	-0.12398					
189 ->198	0.23258					
189 ->200	0.11339					
189 ->208	0.17714					
Excited State 55:	Singlet-A	4.7638 eV	260.27 nm	f=0.0015	<S**2>=0.000	
181 ->192	0.14202					
183 ->193	0.57636					
184 ->193	-0.13889					
184 ->194	-0.29003					
Excited State 56:	Singlet-A	4.7693 eV	259.96 nm	f=0.0438	<S**2>=0.000	
180 ->191	-0.14488					
180 ->192	0.17127					
181 ->191	-0.16147					
181 ->192	0.29764					
183 ->193	0.10514					
184 ->194	0.39879					
186 ->196	-0.25953					
Excited State 57:	Singlet-A	4.7870 eV	259.00 nm	f=0.1899	<S**2>=0.000	
175 ->190	0.10924					
181 ->192	0.10976					
182 ->193	0.11577					
184 ->194	0.19032					
184 ->196	0.13842					
186 ->196	0.47121					
187 ->196	0.24138					
Excited State 58:	Singlet-A	4.8303 eV	256.68 nm	f=0.0293	<S**2>=0.000	
175 ->190	-0.14581					
182 ->193	-0.16583					
185 ->195	-0.14733					
186 ->196	0.15626					
187 ->196	0.11896					
188 ->197	0.46180					
188 ->208	0.14739					
189 ->198	0.24407					
Excited State 59:	Singlet-A	4.8411 eV	256.11 nm	f=0.0067	<S**2>=0.000	
180 ->192	-0.13507					
181 ->191	0.10968					
182 ->193	0.51942					
183 ->194	0.20052					
188 ->197	0.16583					
189 ->200	0.18462					
189 ->202	0.13556					
Excited State 60:	Singlet-A	4.8667 eV	254.76 nm	f=0.0603	<S**2>=0.000	
175 ->190	0.18935					
180 ->191	-0.13290					
185 ->195	-0.11145					
188 ->197	-0.15879					
188 ->198	0.15483					
188 ->208	0.14063					
189 ->198	0.18579					
189 ->200	0.30202					
189 ->201	-0.28568					
189 ->203	-0.21769					
Excited State 61:	Singlet-A	4.8821 eV	253.96 nm	f=0.0448	<S**2>=0.000	
175 ->190	0.18255					
180 ->191	0.28979					
180 ->192	0.10145					
181 ->191	-0.18115					
181 ->192	-0.10387					
182 ->193	0.32114					
183 ->194	-0.22146					
185 ->195	-0.15835					

189 ->198	0.12987					
189 ->200	-0.20695					
Excited State 62:	Singlet-A	4.8899 eV	253.55 nm	f=0.0257	<S**2>=0.000	
180 ->191	-0.11705					
183 ->194	0.17131					
185 ->195	0.25621					
188 ->197	-0.14738					
188 ->198	0.30157					
188 ->202	0.11731					
188 ->208	0.23810					
189 ->198	0.15738					
189 ->200	-0.16615					
189 ->201	0.16646					
189 ->203	0.11432					
Excited State 63:	Singlet-A	4.8928 eV	253.40 nm	f=0.0801	<S**2>=0.000	
175 ->190	-0.24109					
180 ->191	0.28274					
181 ->191	-0.22334					
185 ->195	0.39833					
189 ->200	0.23932					
Excited State 64:	Singlet-A	4.8981 eV	253.13 nm	f=0.0302	<S**2>=0.000	
175 ->190	0.18638					
180 ->191	0.29237					
181 ->191	-0.17416					
182 ->193	-0.20486					
183 ->194	0.33003					
185 ->195	-0.18771					
188 ->198	0.12901					
189 ->198	-0.10753					
189 ->200	0.13213					
189 ->201	0.18161					
Excited State 65:	Singlet-A	4.9136 eV	252.33 nm	f=0.0471	<S**2>=0.000	
180 ->191	0.11281					
183 ->194	0.43045					
188 ->198	-0.17008					
189 ->198	0.11521					
189 ->199	-0.11201					
189 ->200	-0.23635					
189 ->201	-0.33251					
189 ->203	-0.11338					
Excited State 66:	Singlet-A	4.9406 eV	250.95 nm	f=0.0093	<S**2>=0.000	
180 ->192	-0.10759					
183 ->194	-0.15974					
188 ->198	0.19423					
189 ->199	0.24709					
189 ->200	-0.25878					
189 ->201	-0.20578					
189 ->202	0.43199					
189 ->208	0.14969					
Excited State 67:	Singlet-A	4.9426 eV	250.85 nm	f=0.0024	<S**2>=0.000	
180 ->192	0.10634					
188 ->198	-0.11199					
189 ->197	0.12828					
189 ->198	0.11189					
189 ->199	0.58369					
189 ->200	-0.11856					
189 ->202	-0.15702					
189 ->208	-0.11466					
Excited State 68:	Singlet-A	4.9839 eV	248.77 nm	f=0.0050	<S**2>=0.000	
180 ->191	-0.10207					
180 ->192	0.42977					
181 ->192	-0.29246					
182 ->194	-0.32468					
184 ->195	0.10001					
189 ->202	0.17121					
Excited State 69:	Singlet-A	4.9982 eV	248.06 nm	f=0.0086	<S**2>=0.000	
180 ->192	0.25301					
181 ->192	-0.15512					
182 ->194	0.56684					
189 ->202	0.10278					
Excited State 70:	Singlet-A	5.0012 eV	247.91 nm	f=0.0113	<S**2>=0.000	

175 ->190	-0.11446					
182 ->195	-0.14792					
183 ->195	0.22836					
184 ->195	0.57785					
186 ->195	-0.13566					
Excited State 71:	Singlet-A	5.0426 eV	245.87 nm	f=0.0096	<S**2>=0.000	
188 ->197	0.10014					
188 ->198	0.31436					
188 ->202	-0.20635					
188 ->208	-0.12802					
189 ->201	-0.24406					
189 ->202	-0.25595					
189 ->203	0.29458					
189 ->204	0.12861					
Excited State 72:	Singlet-A	5.0555 eV	245.25 nm	f=0.0205	<S**2>=0.000	
187 ->198	-0.17543					
187 ->208	-0.21615					
188 ->198	-0.17176					
188 ->202	0.15789					
189 ->200	0.10189					
189 ->201	-0.20728					
189 ->203	0.44393					
Excited State 73:	Singlet-A	5.0726 eV	244.42 nm	f=0.0167	<S**2>=0.000	
187 ->197	0.22070					
187 ->198	0.29893					
187 ->208	0.37449					
188 ->198	-0.17809					
188 ->200	0.17047					
188 ->202	0.15433					
189 ->203	0.16320					
Excited State 74:	Singlet-A	5.0856 eV	243.80 nm	f=0.1812	<S**2>=0.000	
177 ->190	-0.10859					
185 ->196	0.56212					
186 ->196	0.14705					
188 ->197	-0.10402					
188 ->199	-0.17450					
189 ->198	-0.10181					
189 ->202	-0.10169					
189 ->208	0.10047					
Excited State 75:	Singlet-A	5.0971 eV	243.24 nm	f=0.0219	<S**2>=0.000	
181 ->193	-0.13761					
188 ->199	0.15061					
188 ->200	0.39874					
188 ->201	-0.17716					
188 ->202	0.16741					
188 ->203	-0.12076					
189 ->198	-0.17934					
189 ->203	-0.16411					
189 ->204	0.15398					
189 ->208	0.23250					
Excited State 76:	Singlet-A	5.1051 eV	242.86 nm	f=0.0023	<S**2>=0.000	
181 ->193	0.18658					
185 ->196	-0.10618					
188 ->201	0.34685					
188 ->203	0.22627					
189 ->198	-0.19376					
189 ->202	-0.15554					
189 ->203	-0.13008					
189 ->204	0.19624					
189 ->208	0.26855					
Excited State 77:	Singlet-A	5.1290 eV	241.73 nm	f=0.0096	<S**2>=0.000	
180 ->193	0.27743					
181 ->193	0.54856					
188 ->201	-0.13898					
188 ->203	-0.11512					
Excited State 78:	Singlet-A	5.1547 eV	240.53 nm	f=0.0033	<S**2>=0.000	
172 ->190	0.24332					
173 ->190	0.64505					
Excited State 79:	Singlet-A	5.1689 eV	239.86 nm	f=0.0073	<S**2>=0.000	
176 ->191	0.42888					
177 ->191	0.23072					

179 ->191	-0.25799					
183 ->195	0.10101					
184 ->196	0.12958					
188 ->199	-0.22929					
Excited State 80:	Singlet-A	5.1740 eV	239.63 nm	f=0.0094	<S**2>=0.000	
176 ->191	-0.16929					
177 ->191	0.28263					
178 ->191	-0.25077					
179 ->191	0.29799					
179 ->192	0.11232					
180 ->191	0.11637					
184 ->196	0.12838					
188 ->199	-0.28688					
188 ->201	-0.14125					
Excited State 81:	Singlet-A	5.1840 eV	239.17 nm	f=0.0191	<S**2>=0.000	
173 ->190	0.10845					
177 ->191	0.25880					
178 ->191	-0.17371					
183 ->195	0.38260					
184 ->195	-0.16127					
187 ->197	0.20591					
188 ->199	0.25561					
188 ->201	0.11316					
Excited State 82:	Singlet-A	5.1883 eV	238.97 nm	f=0.0128	<S**2>=0.000	
176 ->191	-0.14292					
177 ->191	-0.23269					
178 ->191	0.13223					
183 ->195	0.45536					
184 ->195	-0.19465					
184 ->196	0.15865					
187 ->197	-0.10181					
188 ->199	-0.22366					
Excited State 83:	Singlet-A	5.2132 eV	237.83 nm	f=0.0392	<S**2>=0.000	
179 ->191	0.13595					
184 ->196	0.14077					
187 ->197	-0.24197					
188 ->198	-0.10442					
188 ->199	0.33957					
188 ->200	-0.25682					
188 ->201	-0.23798					
188 ->204	0.15080					
188 ->208	0.15426					
189 ->208	0.10051					
Excited State 84:	Singlet-A	5.2188 eV	237.57 nm	f=0.0010	<S**2>=0.000	
172 ->190	0.64294					
173 ->190	-0.23803					
Excited State 85:	Singlet-A	5.2273 eV	237.19 nm	f=0.0080	<S**2>=0.000	
176 ->192	0.16569					
184 ->196	-0.13346					
186 ->197	-0.18409					
188 ->198	-0.14278					
188 ->200	-0.12666					
188 ->201	-0.13161					
188 ->203	-0.22234					
188 ->208	0.22998					
189 ->204	0.37163					
Excited State 86:	Singlet-A	5.2311 eV	237.01 nm	f=0.0057	<S**2>=0.000	
176 ->191	0.24286					
176 ->192	-0.14058					
177 ->191	-0.13384					
177 ->192	-0.21658					
179 ->191	0.38996					
179 ->192	0.22180					
184 ->196	-0.17913					
Excited State 87:	Singlet-A	5.2548 eV	235.95 nm	f=0.0162	<S**2>=0.000	
176 ->191	0.25707					
176 ->192	0.22107					
177 ->192	0.44981					
178 ->192	-0.26963					
179 ->191	0.16405					
179 ->192	0.10030					
180 ->192	0.10008					

Excited State	88:	Singlet-A	5.2604 eV	235.69 nm	f=0.0762	<S**2>=0.000
183 ->195		-0.13750				
184 ->196		0.39595				
185 ->196		0.13780				
186 ->196		-0.10531				
186 ->197		0.11654				
187 ->197		0.11079				
188 ->201		0.12863				
188 ->203		-0.10664				
189 ->204		0.31967				
189 ->208		-0.15586				
Excited State	89:	Singlet-A	5.2640 eV	235.53 nm	f=0.0075	<S**2>=0.000
176 ->192		0.40901				
177 ->192		-0.16881				
178 ->192		0.20332				
179 ->191		0.20308				
179 ->192		-0.20898				
186 ->197		0.14696				
188 ->200		0.10867				
189 ->205		0.15531				
Excited State	90:	Singlet-A	5.2778 eV	234.92 nm	f=0.0147	<S**2>=0.000
180 ->194		0.21435				
181 ->193		-0.10351				
181 ->194		0.49882				
184 ->196		0.11475				
187 ->197		0.18088				
188 ->200		-0.13966				
188 ->202		0.16359				
189 ->204		-0.10553				
Excited State	91:	Singlet-A	5.2806 eV	234.79 nm	f=0.0309	<S**2>=0.000
177 ->191		-0.10053				
180 ->194		-0.16855				
181 ->193		0.11506				
181 ->194		-0.27420				
187 ->197		0.22635				
187 ->198		-0.11064				
188 ->200		-0.25308				
188 ->202		0.34923				
188 ->203		-0.14594				
189 ->204		-0.12097				
189 ->208		0.10722				
Excited State	92:	Singlet-A	5.2937 eV	234.21 nm	f=0.0275	<S**2>=0.000
184 ->196		0.16194				
186 ->197		-0.38294				
188 ->201		-0.17426				
188 ->203		0.40037				
189 ->205		-0.10864				
Excited State	93:	Singlet-A	5.2965 eV	234.09 nm	f=0.0284	<S**2>=0.000
184 ->196		-0.16605				
186 ->197		0.26868				
188 ->200		-0.11323				
188 ->201		-0.22202				
188 ->202		0.21941				
188 ->203		0.28844				
188 ->208		-0.11851				
189 ->204		0.28305				
189 ->208		-0.19966				
Excited State	94:	Singlet-A	5.3185 eV	233.12 nm	f=0.0647	<S**2>=0.000
186 ->197		0.26752				
187 ->197		0.27611				
188 ->200		0.10598				
188 ->202		-0.24778				
188 ->203		0.13097				
188 ->208		0.16908				
189 ->205		-0.26641				
189 ->208		0.10906				
Excited State	95:	Singlet-A	5.3280 eV	232.70 nm	f=0.0021	<S**2>=0.000
180 ->193		0.11942				
182 ->195		0.62398				
184 ->195		0.16761				
Excited State	96:	Singlet-A	5.3382 eV	232.26 nm	f=0.0229	<S**2>=0.000

179 ->192	-0.12554						
180 ->193	0.52854						
181 ->193	-0.26838						
181 ->194	-0.15599						
182 ->195	-0.16231						
Excited State 97:	Singlet-A	5.3436 eV	232.03 nm	f=0.0011	<S**2>=0.000		
176 ->192	0.16251						
177 ->192	-0.11759						
179 ->191	-0.21363						
179 ->192	0.53931						
186 ->200	0.11082						
189 ->205	0.18028						
Excited State 98:	Singlet-A	5.3603 eV	231.30 nm	f=0.0303	<S**2>=0.000		
176 ->192	-0.18017						
179 ->192	-0.12634						
180 ->193	-0.16561						
186 ->198	-0.15644						
186 ->199	0.10171						
186 ->200	0.27994						
186 ->202	0.22533						
187 ->200	-0.22272						
187 ->202	-0.20893						
189 ->205	0.22448						
Excited State 99:	Singlet-A	5.3703 eV	230.87 nm	f=0.0029	<S**2>=0.000		
177 ->191	0.32130						
178 ->191	0.48402						
178 ->192	0.14450						
187 ->198	-0.12401						
187 ->202	0.15763						
189 ->205	0.12259						
Excited State 100:	Singlet-A	5.3810 eV	230.41 nm	f=0.0119	<S**2>=0.000		
176 ->191	0.21118						
177 ->191	-0.19451						
177 ->192	-0.10058						
178 ->191	-0.21593						
183 ->196	-0.10928						
187 ->198	-0.22504						
187 ->200	0.15217						
187 ->201	0.17047						
187 ->202	0.26468						
187 ->203	0.12730						
189 ->205	0.20714						
189 ->207	0.13330						
Excited State 101:	Singlet-A	5.4045 eV	229.41 nm	f=0.0054	<S**2>=0.000		
176 ->192	0.19339						
183 ->196	0.28491						
187 ->198	-0.15736						
187 ->199	-0.14891						
187 ->200	-0.30159						
187 ->201	0.30340						
187 ->203	0.24902						
Excited State 102:	Singlet-A	5.4118 eV	229.10 nm	f=0.0281	<S**2>=0.000		
183 ->196	0.55283						
184 ->196	-0.12877						
186 ->198	-0.12517						
187 ->200	0.18312						
187 ->201	-0.13404						
187 ->203	-0.11113						
189 ->206	-0.11658						
Excited State 103:	Singlet-A	5.4209 eV	228.72 nm	f=0.0136	<S**2>=0.000		
176 ->192	-0.14190						
183 ->196	0.16769						
186 ->198	0.27618						
186 ->201	-0.13537						
186 ->202	-0.16120						
187 ->197	0.15586						
189 ->205	0.25999						
189 ->206	0.25919						
189 ->207	-0.20966						
Excited State 104:	Singlet-A	5.4616 eV	227.01 nm	f=0.0503	<S**2>=0.000		
186 ->200	0.21305						
187 ->200	0.13392						

188 ->204	0.38934					
189 ->205	-0.11901					
189 ->206	0.28831					
189 ->207	-0.19303					
Excited State 105:	Singlet-A	5.4658 eV	226.83 nm	f=0.0336	<S**2>=0.000	
179 ->195	0.11091					
180 ->194	-0.11977					
186 ->198	0.36475					
187 ->202	-0.11507					
188 ->204	0.25456					
189 ->206	-0.21961					
189 ->207	0.29885					
Excited State 106:	Singlet-A	5.4707 eV	226.63 nm	f=0.0046	<S**2>=0.000	
177 ->191	-0.10088					
177 ->192	0.35003					
178 ->191	-0.14588					
178 ->192	0.50153					
179 ->195	0.12129					
180 ->194	-0.11532					
Excited State 107:	Singlet-A	5.4733 eV	226.53 nm	f=0.0184	<S**2>=0.000	
177 ->192	0.13383					
178 ->192	0.20935					
179 ->195	-0.29018					
180 ->194	0.35223					
180 ->195	-0.12470					
181 ->194	-0.16283					
181 ->195	0.22453					
186 ->198	0.15222					
186 ->200	0.11668					
Excited State 108:	Singlet-A	5.4838 eV	226.09 nm	f=0.0019	<S**2>=0.000	
174 ->190	0.10313					
179 ->195	0.38025					
179 ->196	0.10312					
180 ->194	0.40914					
181 ->194	-0.19684					
181 ->195	-0.16097					
Excited State 109:	Singlet-A	5.4994 eV	225.45 nm	f=0.0075	<S**2>=0.000	
171 ->190	0.24679					
180 ->194	0.16626					
182 ->196	-0.13542					
185 ->197	-0.21175					
186 ->198	-0.22894					
186 ->200	-0.20975					
186 ->201	-0.19124					
188 ->204	0.24076					
189 ->205	0.11842					
Excited State 110:	Singlet-A	5.5141 eV	224.85 nm	f=0.0130	<S**2>=0.000	
185 ->197	0.17947					
186 ->198	-0.13849					
187 ->197	0.12118					
187 ->198	0.14907					
187 ->199	0.47673					
187 ->201	0.24613					
187 ->208	-0.10876					
188 ->204	0.18461					
Excited State 111:	Singlet-A	5.5174 eV	224.72 nm	f=0.0203	<S**2>=0.000	
182 ->196	0.22701					
185 ->197	0.27971					
186 ->197	0.13028					
186 ->198	-0.13629					
186 ->200	-0.14969					
187 ->198	-0.14944					
187 ->199	-0.16553					
187 ->201	-0.15121					
188 ->204	0.12227					
188 ->205	0.16342					
189 ->206	0.15982					
189 ->207	0.22247					
Excited State 112:	Singlet-A	5.5374 eV	223.90 nm	f=0.0087	<S**2>=0.000	
171 ->190	0.11969					
181 ->195	-0.19492					
182 ->196	0.56162					

184 ->196	0.16602				
185 ->197	-0.11639				
189 ->206	-0.11674				
Excited State 113:	Singlet-A	5.5404 eV	223.78 nm	f=0.0523	<S**2>=0.000
171 ->190	0.11256				
181 ->195	-0.16555				
185 ->197	-0.13864				
187 ->198	0.12560				
187 ->200	0.10825				
187 ->201	0.21069				
187 ->208	-0.11886				
189 ->205	-0.12931				
189 ->206	0.34231				
189 ->207	0.37615				
Excited State 114:	Singlet-A	5.5466 eV	223.53 nm	f=0.0027	<S**2>=0.000
171 ->190	0.22037				
181 ->195	0.31422				
186 ->199	0.10046				
186 ->201	0.15968				
187 ->199	-0.29188				
187 ->200	0.24342				
187 ->201	0.18749				
187 ->208	-0.12783				
Excited State 115:	Singlet-A	5.5507 eV	223.37 nm	f=0.0168	<S**2>=0.000
171 ->190	0.21523				
179 ->195	0.12374				
181 ->195	0.24182				
182 ->196	0.10668				
185 ->197	-0.20351				
186 ->201	0.17903				
187 ->198	-0.12339				
187 ->199	0.20710				
187 ->200	-0.20550				
187 ->201	-0.14182				
187 ->208	0.12603				
188 ->204	-0.17320				
189 ->206	0.16862				
Excited State 116:	Singlet-A	5.5613 eV	222.94 nm	f=0.0224	<S**2>=0.000
179 ->195	-0.18757				
181 ->195	-0.23643				
182 ->196	-0.12155				
186 ->200	0.16415				
186 ->201	0.37975				
186 ->202	-0.11222				
186 ->203	0.18475				
187 ->198	-0.12711				
187 ->208	0.10099				
189 ->205	0.13063				
Excited State 117:	Singlet-A	5.5815 eV	222.13 nm	f=0.0205	<S**2>=0.000
177 ->193	-0.10294				
184 ->197	-0.10043				
186 ->197	0.10048				
186 ->199	0.50283				
186 ->200	-0.22671				
186 ->202	0.11905				
188 ->205	-0.27643				
Excited State 118:	Singlet-A	5.5897 eV	221.81 nm	f=0.0203	<S**2>=0.000
171 ->190	0.25264				
177 ->193	0.28452				
178 ->193	-0.20826				
179 ->195	-0.10426				
186 ->199	0.21370				
187 ->203	-0.10380				
188 ->205	0.32121				
188 ->206	0.10017				
Excited State 119:	Singlet-A	5.5973 eV	221.51 nm	f=0.0195	<S**2>=0.000
177 ->193	-0.14123				
185 ->197	0.10318				
186 ->199	-0.20991				
186 ->200	-0.10140				
186 ->202	0.32995				
186 ->203	0.13608				
186 ->208	0.10797				

187 ->198	0.14295				
187 ->199	-0.12283				
187 ->200	-0.13605				
187 ->202	0.29150				
187 ->208	-0.11445				
Excited State 120:	Singlet-A	5.6101 eV	221.00 nm	f=0.0342	<S**2>=0.000
171 ->190	-0.21534				
185 ->197	-0.28747				
186 ->200	-0.16275				
186 ->201	0.10838				
186 ->202	0.22708				
186 ->203	0.11168				
187 ->200	0.13918				
187 ->202	-0.20855				
187 ->203	0.10522				
188 ->205	0.33310				
Excited State 121:	Singlet-A	5.6197 eV	220.62 nm	f=0.0076	<S**2>=0.000
171 ->190	-0.13670				
176 ->193	-0.10103				
185 ->197	-0.17759				
186 ->199	0.16549				
186 ->200	0.14258				
186 ->202	-0.28317				
187 ->198	0.17812				
187 ->200	-0.15536				
187 ->201	-0.11230				
187 ->202	0.29904				
187 ->203	0.12255				
187 ->208	-0.16832				
188 ->205	0.17580				
Excited State 122:	Singlet-A	5.6296 eV	220.23 nm	f=0.0088	<S**2>=0.000
173 ->191	0.12111				
176 ->193	-0.34979				
178 ->193	-0.15040				
179 ->193	0.42589				
185 ->198	-0.10773				
187 ->202	-0.10608				
188 ->206	-0.13549				
188 ->207	0.10302				
Excited State 123:	Singlet-A	5.6364 eV	219.97 nm	f=0.0399	<S**2>=0.000
171 ->190	-0.13592				
176 ->193	0.12497				
177 ->193	0.34632				
178 ->193	-0.22020				
180 ->195	0.16168				
186 ->201	0.11273				
186 ->202	0.11217				
187 ->201	-0.10852				
187 ->203	0.23111				
188 ->205	-0.22236				
Excited State 124:	Singlet-A	5.6460 eV	219.60 nm	f=0.0001	<S**2>=0.000
175 ->191	0.60404				
187 ->201	0.10698				
187 ->203	-0.22959				
Excited State 125:	Singlet-A	5.6513 eV	219.39 nm	f=0.0036	<S**2>=0.000
171 ->190	0.12134				
175 ->191	0.29583				
180 ->195	-0.31162				
181 ->195	-0.16247				
185 ->197	0.10645				
187 ->201	-0.17682				
187 ->203	0.37822				
Excited State 126:	Singlet-A	5.6643 eV	218.89 nm	f=0.0110	<S**2>=0.000
175 ->191	0.10085				
179 ->193	-0.13851				
180 ->195	0.46763				
181 ->195	0.18009				
184 ->197	0.12026				
187 ->199	0.11100				
187 ->203	0.19406				
Excited State 127:	Singlet-A	5.6749 eV	218.48 nm	f=0.0037	<S**2>=0.000
173 ->191	-0.13726				

176 ->193	0.17045					
177 ->193	-0.17738					
178 ->193	0.10934					
179 ->193	0.44443					
179 ->194	0.10226					
179 ->196	-0.12172					
185 ->198	0.16217					
188 ->206	0.20525					
188 ->207	-0.14507					
Excited State 128:	Singlet-A	5.6923 eV	217.81 nm	f=0.0171	<S**2>=0.000	
181 ->196	0.10297					
184 ->197	-0.23773					
185 ->198	0.31324					
186 ->199	-0.11479					
186 ->201	0.16669					
186 ->203	-0.26339					
187 ->203	-0.11309					
188 ->206	0.20805					
188 ->207	0.17113					
Excited State 129:	Singlet-A	5.7050 eV	217.32 nm	f=0.0102	<S**2>=0.000	
168 ->190	0.10513					
184 ->197	-0.30725					
186 ->201	-0.27011					
186 ->203	0.42622					
Excited State 130:	Singlet-A	5.7109 eV	217.10 nm	f=0.0371	<S**2>=0.000	
170 ->190	0.21976					
184 ->197	0.16252					
185 ->198	0.42195					
187 ->203	-0.10517					
188 ->206	-0.28681					
Excited State 131:	Singlet-A	5.7194 eV	216.78 nm	f=0.0792	<S**2>=0.000	
172 ->191	-0.11227					
173 ->192	-0.10758					
174 ->191	-0.11259					
176 ->193	-0.15349					
176 ->194	0.11313					
180 ->195	-0.11292					
184 ->197	0.30742					
185 ->200	0.13276					
186 ->203	0.20757					
188 ->205	-0.12776					
188 ->206	0.31468					
Excited State 132:	Singlet-A	5.7279 eV	216.46 nm	f=0.0016	<S**2>=0.000	
175 ->192	0.65397					
176 ->193	0.11434					
188 ->207	0.11686					
Excited State 133:	Singlet-A	5.7297 eV	216.39 nm	f=0.0175	<S**2>=0.000	
166 ->190	-0.18696					
168 ->190	0.18446					
170 ->190	0.47746					
171 ->190	-0.14667					
176 ->193	-0.17634					
186 ->203	-0.10826					
188 ->206	0.18509					
188 ->207	-0.13499					
Excited State 134:	Singlet-A	5.7399 eV	216.00 nm	f=0.0038	<S**2>=0.000	
173 ->191	0.10652					
174 ->191	0.51795					
174 ->192	0.13848					
176 ->193	0.11832					
177 ->194	-0.14792					
178 ->194	0.11679					
185 ->198	-0.11720					
188 ->206	0.11429					
Excited State 135:	Singlet-A	5.7435 eV	215.87 nm	f=0.0497	<S**2>=0.000	
166 ->190	-0.10849					
168 ->190	0.10600					
170 ->190	0.13555					
174 ->191	-0.16210					
175 ->192	-0.16087					
176 ->193	0.28427					
184 ->197	0.12047					

188 ->207	0.45160					
Excited State 136:	Singlet-A	5.7493 eV	215.65 nm	f=0.0097	<S**2>=0.000	
169 ->190	-0.10587					
172 ->192	-0.10564					
173 ->191	-0.16742					
174 ->191	0.27780					
177 ->194	0.33407					
178 ->194	-0.22451					
185 ->200	0.15690					
188 ->207	0.18168					
Excited State 137:	Singlet-A	5.7675 eV	214.97 nm	f=0.0033	<S**2>=0.000	
160 ->190	-0.12783					
164 ->190	-0.11170					
166 ->190	-0.28588					
168 ->190	0.39367					
169 ->190	0.21335					
170 ->190	-0.30756					
Excited State 138:	Singlet-A	5.7746 eV	214.71 nm	f=0.0002	<S**2>=0.000	
166 ->190	0.10840					
168 ->190	-0.11745					
169 ->190	0.59976					
177 ->194	0.12625					
181 ->196	-0.13681					
Excited State 139:	Singlet-A	5.7800 eV	214.51 nm	f=0.0028	<S**2>=0.000	
169 ->190	-0.14035					
176 ->194	0.38910					
177 ->194	0.11429					
179 ->194	-0.23101					
181 ->196	-0.20317					
184 ->197	-0.10399					
184 ->200	-0.10988					
188 ->206	-0.17057					
Excited State 140:	Singlet-A	5.7884 eV	214.19 nm	f=0.0246	<S**2>=0.000	
169 ->190	0.15541					
170 ->190	0.10904					
178 ->193	0.13696					
180 ->196	0.10080					
181 ->196	0.39190					
184 ->198	0.11272					
185 ->199	0.23208					
187 ->204	-0.11572					
188 ->206	-0.11732					
188 ->207	-0.12913					
Excited State 141:	Singlet-A	5.7984 eV	213.83 nm	f=0.0331	<S**2>=0.000	
176 ->194	-0.10365					
177 ->194	-0.21102					
178 ->193	0.12157					
178 ->194	0.13841					
180 ->196	-0.10717					
181 ->196	-0.25937					
185 ->200	0.39280					
185 ->201	0.15138					
185 ->202	0.11886					
Excited State 142:	Singlet-A	5.8036 eV	213.63 nm	f=0.0160	<S**2>=0.000	
181 ->196	-0.24247					
183 ->198	0.10766					
183 ->200	0.11457					
184 ->198	0.22054					
185 ->198	0.10767					
185 ->199	0.39828					
185 ->200	-0.23450					
185 ->201	-0.13880					
186 ->208	0.10923					
Excited State 143:	Singlet-A	5.8074 eV	213.50 nm	f=0.0131	<S**2>=0.000	
172 ->191	-0.10209					
176 ->193	-0.16494					
177 ->193	0.29982					
178 ->193	0.48710					
181 ->196	-0.11153					
185 ->200	-0.17283					
Excited State 144:	Singlet-A	5.8205 eV	213.01 nm	f=0.0235	<S**2>=0.000	

172 ->191	-0.21936					
173 ->192	-0.16209					
174 ->192	-0.11233					
177 ->193	-0.18361					
178 ->193	-0.10631					
185 ->199	0.11436					
185 ->200	-0.11106					
185 ->201	0.32803					
185 ->203	0.14230					
187 ->204	0.23548					
187 ->206	0.11292					
Excited State 145:	Singlet-A	5.8286 eV	212.72 nm	f=0.0306	<S**2>=0.000	
173 ->191	0.30234					
174 ->192	-0.16080					
177 ->194	0.18137					
178 ->194	-0.15502					
179 ->194	0.18352					
186 ->204	0.18328					
187 ->204	-0.14024					
187 ->205	-0.25086					
187 ->207	-0.10130					
188 ->207	-0.10861					
Excited State 146:	Singlet-A	5.8359 eV	212.45 nm	f=0.0063	<S**2>=0.000	
173 ->191	0.12659					
179 ->194	0.31642					
186 ->204	-0.21117					
187 ->204	0.39859					
187 ->205	-0.13500					
Excited State 147:	Singlet-A	5.8364 eV	212.43 nm	f=0.0306	<S**2>=0.000	
172 ->191	-0.12848					
173 ->192	-0.10502					
174 ->191	-0.11454					
174 ->195	0.14428					
179 ->194	0.30083					
179 ->196	0.16212					
183 ->197	-0.22639					
184 ->198	0.23768					
184 ->199	0.10777					
185 ->199	-0.24660					
Excited State 148:	Singlet-A	5.8447 eV	212.13 nm	f=0.0282	<S**2>=0.000	
172 ->191	-0.12497					
173 ->191	-0.18970					
173 ->192	-0.10953					
177 ->194	-0.15279					
179 ->194	0.34571					
183 ->197	0.18977					
184 ->198	-0.18338					
185 ->199	0.21625					
187 ->204	-0.16836					
187 ->205	0.10219					
Excited State 149:	Singlet-A	5.8488 eV	211.98 nm	f=0.0108	<S**2>=0.000	
174 ->191	-0.10442					
174 ->192	0.45746					
183 ->197	0.21012					
185 ->199	-0.16887					
185 ->200	-0.12735					
185 ->201	0.11636					
185 ->202	0.13377					
186 ->204	0.22756					
Excited State 150:	Singlet-A	5.8518 eV	211.87 nm	f=0.0049	<S**2>=0.000	
174 ->191	-0.16246					
174 ->192	0.36598					
179 ->194	-0.13547					
179 ->196	0.13778					
184 ->198	-0.14606					
184 ->200	0.10013					
185 ->199	0.25044					
185 ->200	0.10028					
185 ->202	-0.14218					
186 ->204	-0.11030					
Excited State 151:	Singlet-A	5.8610 eV	211.54 nm	f=0.0211	<S**2>=0.000	
174 ->192	-0.19672					
174 ->195	0.20308					

177 ->195	-0.11355					
178 ->195	-0.17108					
179 ->195	-0.10507					
179 ->196	0.28460					
180 ->196	0.22673					
183 ->197	0.22209					
185 ->202	0.20492					
187 ->205	-0.10265					
Excited State 152:	Singlet-A	5.8701 eV	211.21 nm	f=0.0477	<S**2>=0.000	
185 ->202	0.37691					
186 ->204	-0.31863					
186 ->205	0.10252					
186 ->208	-0.11104					
187 ->204	-0.23171					
Excited State 153:	Singlet-A	5.8929 eV	210.40 nm	f=0.0029	<S**2>=0.000	
183 ->197	0.22936					
183 ->198	0.11015					
184 ->198	0.36091					
184 ->201	-0.20254					
185 ->201	-0.15580					
185 ->202	-0.20502					
185 ->203	0.14657					
186 ->204	-0.16020					
Excited State 154:	Singlet-A	5.9061 eV	209.92 nm	f=0.0184	<S**2>=0.000	
167 ->190	0.64650					
168 ->190	0.10301					
185 ->202	0.10045					
Excited State 155:	Singlet-A	5.9166 eV	209.55 nm	f=0.0503	<S**2>=0.000	
167 ->190	0.15970					
184 ->200	-0.21445					
185 ->200	-0.13072					
185 ->201	0.28767					
185 ->202	-0.27478					
186 ->204	-0.10481					
186 ->205	0.31241					
186 ->207	0.12200					
187 ->204	-0.15340					
Excited State 156:	Singlet-A	5.9254 eV	209.24 nm	f=0.0421	<S**2>=0.000	
167 ->190	-0.10816					
174 ->195	-0.11553					
176 ->194	-0.10701					
177 ->194	-0.12802					
177 ->195	0.16480					
178 ->194	-0.14420					
178 ->195	0.22451					
179 ->196	0.34038					
183 ->197	-0.14032					
184 ->198	-0.12775					
185 ->201	-0.13412					
185 ->203	0.15808					
186 ->205	0.14162					
187 ->205	-0.12217					
Excited State 157:	Singlet-A	5.9276 eV	209.17 nm	f=0.0010	<S**2>=0.000	
173 ->191	0.10546					
176 ->194	0.16419					
177 ->195	0.25087					
179 ->196	0.27953					
180 ->196	-0.22917					
183 ->197	0.23966					
185 ->201	0.13970					
185 ->203	-0.12942					
186 ->204	-0.12797					
186 ->205	-0.15430					
187 ->205	0.15477					
Excited State 158:	Singlet-A	5.9293 eV	209.10 nm	f=0.0024	<S**2>=0.000	
166 ->190	0.30568					
168 ->190	0.27225					
172 ->192	0.10957					
173 ->191	-0.22206					
177 ->195	0.10129					
180 ->196	-0.10906					
185 ->203	-0.25000					
187 ->205	-0.30099					

Excited State 159:	Singlet-A	5.9376 eV	208.81 nm	f=0.0029	<S**2>=0.000
166 ->190	0.36078				
168 ->190	0.31905				
172 ->192	-0.15274				
173 ->191	0.24946				
185 ->203	0.10279				
187 ->205	0.29184				
187 ->206	0.10793				
Excited State 160:	Singlet-A	5.9451 eV	208.55 nm	f=0.0036	<S**2>=0.000
166 ->190	0.13466				
168 ->190	0.12754				
172 ->192	0.10053				
173 ->191	-0.12006				
173 ->192	0.11327				
176 ->194	0.24110				
184 ->201	0.14817				
184 ->202	0.11874				
185 ->203	0.38126				
186 ->208	0.14113				
187 ->205	-0.12684				
Excited State 161:	Singlet-A	5.9515 eV	208.32 nm	f=0.0121	<S**2>=0.000
166 ->190	0.11995				
174 ->195	-0.18639				
176 ->194	0.11777				
176 ->195	0.10050				
177 ->195	-0.18024				
178 ->195	0.28255				
179 ->196	0.14935				
180 ->196	0.27592				
184 ->198	0.14656				
185 ->201	0.16765				
185 ->203	-0.11519				
186 ->208	-0.10132				
Excited State 162:	Singlet-A	5.9612 eV	207.99 nm	f=0.0199	<S**2>=0.000
172 ->191	-0.29564				
173 ->192	0.34714				
183 ->197	0.11479				
183 ->198	0.13358				
183 ->201	-0.15019				
184 ->199	0.10457				
184 ->200	0.20191				
184 ->201	0.14102				
184 ->202	-0.13651				
186 ->204	0.10927				
186 ->205	0.22036				
Excited State 163:	Singlet-A	5.9662 eV	207.81 nm	f=0.0019	<S**2>=0.000
172 ->191	0.13616				
173 ->192	-0.24701				
176 ->194	-0.10163				
177 ->194	-0.13794				
178 ->194	-0.27122				
180 ->196	0.14004				
182 ->197	0.10032				
183 ->197	0.21125				
184 ->200	0.12775				
184 ->201	0.31021				
Excited State 164:	Singlet-A	5.9713 eV	207.63 nm	f=0.0122	<S**2>=0.000
172 ->191	0.23714				
173 ->192	-0.24594				
177 ->194	0.25308				
178 ->194	0.36226				
183 ->198	0.10316				
183 ->201	-0.10403				
184 ->200	0.17129				
184 ->202	-0.12210				
186 ->205	0.12745				
Excited State 165:	Singlet-A	5.9756 eV	207.49 nm	f=0.0051	<S**2>=0.000
172 ->191	-0.21667				
173 ->192	0.17371				
176 ->194	-0.21348				
177 ->194	0.19228				
178 ->194	0.26224				
184 ->201	0.17241				

186 ->204	-0.18976					
186 ->205	-0.11063					
186 ->206	-0.11867					
186 ->208	0.22217					
Excited State 166:	Singlet-A	5.9845 eV	207.18 nm	f=0.0181	<S**2>=0.000	
182 ->197	0.23530					
183 ->197	0.12661					
183 ->198	-0.36026					
184 ->199	0.36727					
184 ->200	-0.15257					
185 ->203	0.12339					
Excited State 167:	Singlet-A	6.0002 eV	206.63 nm	f=0.0263	<S**2>=0.000	
172 ->192	-0.22968					
177 ->195	0.35983					
178 ->195	-0.19965					
180 ->196	0.25997					
181 ->196	-0.10536					
183 ->198	-0.15930					
183 ->200	-0.10724					
184 ->200	0.10489					
184 ->202	-0.11596					
187 ->206	-0.10603					
Excited State 168:	Singlet-A	6.0089 eV	206.34 nm	f=0.0279	<S**2>=0.000	
177 ->195	0.19364					
180 ->196	0.13770					
182 ->197	-0.10530					
183 ->198	0.17543					
183 ->200	0.23097					
184 ->199	0.28456					
184 ->202	0.29489					
184 ->203	0.17433					
186 ->205	0.15357					
Excited State 169:	Singlet-A	6.0126 eV	206.21 nm	f=0.0092	<S**2>=0.000	
172 ->192	0.41286					
173 ->191	-0.11224					
180 ->196	0.11556					
182 ->198	0.10166					
183 ->201	-0.10158					
184 ->201	-0.13389					
184 ->202	-0.13161					
184 ->203	-0.16535					
186 ->204	-0.11282					
186 ->208	0.21267					
187 ->205	0.19581					
Excited State 170:	Singlet-A	6.0182 eV	206.02 nm	f=0.0202	<S**2>=0.000	
172 ->192	-0.25728					
183 ->198	0.16254					
183 ->202	-0.10905					
184 ->198	-0.12876					
184 ->199	0.25371					
184 ->200	-0.10655					
184 ->201	-0.10658					
186 ->204	-0.13889					
186 ->208	0.32231					
187 ->205	-0.15013					
Excited State 171:	Singlet-A	6.0258 eV	205.75 nm	f=0.0451	<S**2>=0.000	
177 ->195	-0.13435					
180 ->196	-0.11579					
182 ->197	-0.23481					
183 ->198	-0.25388					
183 ->199	0.10043					
183 ->200	0.13576					
183 ->202	0.14146					
184 ->200	0.26453					
185 ->203	-0.10926					
186 ->205	0.13569					
186 ->207	0.11698					
186 ->208	0.15935					
Excited State 172:	Singlet-A	6.0450 eV	205.10 nm	f=0.0143	<S**2>=0.000	
175 ->193	0.15954					
178 ->195	0.10904					
182 ->197	0.33603					
182 ->200	0.11542					

183 ->200	0.33611					
184 ->199	-0.16829					
184 ->200	0.11153					
184 ->201	-0.10899					
187 ->206	-0.15522					
187 ->207	0.14822					
Excited State 173:	Singlet-A	6.0573 eV	204.69 nm	f=0.0290	<S**2>=0.000	
174 ->195	0.25651					
175 ->193	0.31887					
178 ->195	0.24665					
182 ->197	-0.23591					
183 ->200	-0.11374					
187 ->206	-0.19911					
187 ->207	0.14500					
Excited State 174:	Singlet-A	6.0634 eV	204.48 nm	f=0.0395	<S**2>=0.000	
172 ->191	0.11252					
173 ->192	0.10949					
174 ->195	0.18484					
176 ->195	-0.10557					
177 ->195	0.10800					
178 ->195	0.19743					
183 ->199	-0.12551					
187 ->206	0.41947					
187 ->207	-0.19945					
Excited State 175:	Singlet-A	6.0725 eV	204.17 nm	f=0.0084	<S**2>=0.000	
182 ->197	0.15188					
182 ->200	-0.20964					
183 ->199	-0.14738					
183 ->200	-0.24399					
183 ->203	-0.16322					
184 ->199	-0.17389					
184 ->202	0.34509					
185 ->202	0.10021					
185 ->203	-0.13461					
186 ->205	0.14230					
186 ->206	0.13112					
186 ->207	-0.11907					
Excited State 176:	Singlet-A	6.0747 eV	204.10 nm	f=0.0071	<S**2>=0.000	
175 ->193	0.23677					
177 ->196	-0.10504					
178 ->196	-0.28599					
182 ->197	0.11083					
183 ->199	0.38791					
184 ->199	-0.10213					
184 ->202	0.11891					
184 ->203	-0.15092					
187 ->206	0.13364					
Excited State 177:	Singlet-A	6.0886 eV	203.63 nm	f=0.0466	<S**2>=0.000	
174 ->195	-0.14299					
175 ->193	0.40014					
177 ->195	-0.10324					
178 ->195	-0.19720					
178 ->196	-0.14046					
183 ->199	-0.31274					
189 ->211	0.11191					
Excited State 178:	Singlet-A	6.0925 eV	203.50 nm	f=0.0014	<S**2>=0.000	
175 ->193	-0.14624					
177 ->195	0.12027					
178 ->196	-0.19015					
185 ->204	-0.19622					
186 ->207	-0.14047					
187 ->206	0.25470					
187 ->207	0.42261					
Excited State 179:	Singlet-A	6.1003 eV	203.24 nm	f=0.0170	<S**2>=0.000	
175 ->193	-0.14117					
178 ->196	-0.15568					
182 ->197	0.10720					
182 ->200	-0.16646					
183 ->198	0.18521					
183 ->200	-0.17182					
183 ->201	0.11244					
183 ->202	0.12700					
184 ->201	-0.16607					

185 ->204	0.15994					
186 ->206	-0.18253					
186 ->207	0.15658					
187 ->206	-0.12311					
189 ->211	0.15573					
Excited State 180:	Singlet-A	6.1014 eV	203.20 nm	f=0.0157	<S**2>=0.000	
162 ->190	-0.15498					
164 ->190	-0.18283					
165 ->190	0.13970					
177 ->195	-0.10580					
177 ->196	0.17354					
178 ->195	-0.10135					
178 ->196	0.21609					
182 ->197	0.13631					
182 ->198	-0.11350					
183 ->198	0.11686					
183 ->199	0.25563					
184 ->201	-0.15999					
184 ->203	0.15597					
187 ->206	0.11396					
187 ->207	0.16400					
Excited State 181:	Singlet-A	6.1087 eV	202.96 nm	f=0.0467	<S**2>=0.000	
162 ->190	-0.15816					
164 ->190	-0.18734					
165 ->190	0.15781					
175 ->195	0.10048					
183 ->201	0.12302					
184 ->201	0.13454					
184 ->203	-0.20818					
185 ->204	-0.11783					
187 ->207	-0.16223					
189 ->210	0.11934					
189 ->211	0.25638					
189 ->213	-0.14126					
189 ->214	-0.14574					
189 ->216	0.15705					
Excited State 182:	Singlet-A	6.1212 eV	202.55 nm	f=0.0311	<S**2>=0.000	
177 ->196	0.11619					
178 ->195	-0.11038					
182 ->198	0.19199					
182 ->202	-0.10315					
184 ->200	-0.13850					
184 ->201	0.13962					
184 ->202	0.12427					
184 ->203	-0.27711					
185 ->204	0.31787					
185 ->208	0.13560					
186 ->206	-0.15004					
187 ->207	0.15979					
Excited State 183:	Singlet-A	6.1259 eV	202.39 nm	f=0.0225	<S**2>=0.000	
182 ->197	0.10205					
183 ->199	-0.18879					
183 ->201	0.32111					
184 ->203	-0.15133					
185 ->204	-0.29102					
189 ->211	-0.16659					
189 ->214	0.10270					
189 ->216	-0.10420					
Excited State 184:	Singlet-A	6.1420 eV	201.86 nm	f=0.0202	<S**2>=0.000	
178 ->196	0.15953					
182 ->200	-0.10420					
182 ->202	0.11821					
183 ->198	0.11217					
183 ->199	-0.10522					
183 ->200	0.12303					
183 ->201	-0.18700					
183 ->202	0.36795					
183 ->203	-0.16933					
184 ->203	-0.18645					
186 ->205	-0.14393					
186 ->207	0.14280					
Excited State 185:	Singlet-A	6.1439 eV	201.80 nm	f=0.0005	<S**2>=0.000	
164 ->190	0.19568					
165 ->190	-0.13965					

174 ->193	0.12124					
175 ->193	0.18976					
177 ->196	-0.15469					
178 ->196	0.39615					
183 ->201	0.13929					
186 ->207	-0.11171					
187 ->206	0.10115					
Excited State 186:	Singlet-A	6.1649 eV	201.11 nm	f=0.0304	<S**2>=0.000	
174 ->193	0.17576					
182 ->198	0.36384					
182 ->200	-0.13611					
183 ->199	0.10779					
184 ->203	0.12795					
185 ->205	0.12176					
186 ->205	-0.12396					
186 ->206	0.22558					
186 ->207	0.23990					
Excited State 187:	Singlet-A	6.1749 eV	200.79 nm	f=0.0207	<S**2>=0.000	
164 ->190	-0.13762					
174 ->193	0.39451					
174 ->196	-0.12464					
182 ->198	-0.19780					
182 ->201	0.10269					
182 ->203	0.10589					
183 ->202	-0.18781					
184 ->203	-0.12553					
186 ->207	0.19549					
Excited State 188:	Singlet-A	6.1766 eV	200.73 nm	f=0.0166	<S**2>=0.000	
174 ->193	0.41554					
174 ->196	-0.11395					
182 ->201	-0.16309					
182 ->203	-0.11768					
183 ->202	0.17781					
185 ->204	0.10089					
186 ->207	-0.27093					
Excited State 189:	Singlet-A	6.1824 eV	200.54 nm	f=0.0105	<S**2>=0.000	
165 ->190	-0.13191					
174 ->193	0.15380					
177 ->196	0.15264					
178 ->196	-0.10012					
181 ->197	0.10233					
182 ->200	0.21657					
182 ->201	0.16483					
182 ->202	-0.15244					
183 ->200	-0.12165					
183 ->201	-0.14076					
183 ->202	0.15329					
183 ->203	0.16234					
184 ->200	-0.10183					
184 ->202	0.13153					
184 ->204	0.11420					
185 ->204	-0.19647					
185 ->208	-0.15133					
Excited State 190:	Singlet-A	6.1838 eV	200.50 nm	f=0.0024	<S**2>=0.000	
164 ->190	0.33355					
165 ->190	0.56571					
168 ->190	0.11747					
Excited State 191:	Singlet-A	6.1913 eV	200.25 nm	f=0.0321	<S**2>=0.000	
168 ->191	0.14424					
170 ->191	-0.12503					
176 ->195	-0.18752					
182 ->198	-0.18918					
182 ->202	-0.10641					
183 ->201	0.22050					
183 ->202	0.14623					
185 ->204	0.17307					
186 ->206	0.32212					
Excited State 192:	Singlet-A	6.2033 eV	199.87 nm	f=0.0078	<S**2>=0.000	
162 ->190	-0.17633					
164 ->190	0.18546					
164 ->192	-0.11487					
166 ->191	0.14359					
167 ->191	-0.12852					

168 ->191	0.32775					
170 ->191	-0.17416					
176 ->195	0.16781					
182 ->200	-0.17082					
183 ->202	-0.15184					
Excited State 193:	Singlet-A	6.2071 eV	199.75 nm	f=0.0020	<S**2>=0.000	
162 ->190	-0.27583					
164 ->190	0.29359					
165 ->190	-0.18659					
168 ->191	-0.17777					
168 ->192	0.12378					
176 ->195	-0.22733					
177 ->196	0.20887					
182 ->198	-0.11014					
Excited State 194:	Singlet-A	6.2127 eV	199.57 nm	f=0.0061	<S**2>=0.000	
162 ->190	-0.13107					
163 ->190	0.16190					
168 ->191	-0.15381					
168 ->192	0.11488					
174 ->195	0.10540					
175 ->194	-0.12398					
176 ->195	0.43566					
183 ->202	0.11137					
186 ->206	0.18582					
Excited State 195:	Singlet-A	6.2184 eV	199.38 nm	f=0.0038	<S**2>=0.000	
163 ->190	0.12817					
173 ->193	0.14742					
175 ->194	0.52955					
177 ->196	-0.12500					
182 ->200	0.14628					
Excited State 196:	Singlet-A	6.2261 eV	199.13 nm	f=0.0136	<S**2>=0.000	
163 ->190	-0.18345					
168 ->191	-0.14151					
175 ->194	0.30228					
176 ->195	0.11883					
177 ->196	0.10858					
181 ->197	0.18591					
181 ->198	0.11199					
181 ->201	-0.10470					
182 ->200	-0.21009					
182 ->201	0.10147					
183 ->203	0.13181					
185 ->207	0.10582					
186 ->206	0.13923					
Excited State 197:	Singlet-A	6.2300 eV	199.01 nm	f=0.0067	<S**2>=0.000	
156 ->190	0.12266					
163 ->190	0.41707					
174 ->195	-0.10119					
176 ->195	-0.24164					
177 ->196	-0.17387					
182 ->199	-0.14910					
182 ->200	-0.11730					
183 ->203	0.13174					
185 ->205	0.12106					
Excited State 198:	Singlet-A	6.2342 eV	198.88 nm	f=0.0150	<S**2>=0.000	
168 ->192	-0.13578					
181 ->197	0.10873					
182 ->198	0.19910					
182 ->199	0.20041					
182 ->200	0.18890					
182 ->202	0.12344					
183 ->201	0.16688					
183 ->202	0.12584					
183 ->203	-0.21462					
185 ->208	0.22147					
Excited State 199:	Singlet-A	6.2423 eV	198.62 nm	f=0.0073	<S**2>=0.000	
163 ->190	0.12498					
169 ->191	-0.12645					
173 ->193	-0.23283					
182 ->199	0.49004					
182 ->200	-0.11038					
182 ->201	-0.11712					
183 ->203	0.10021					

189 ->209	-0.11416					
Excited State 200:	Singlet-A	6.2460 eV	198.50 nm	f=0.0075	<S**2>=0.000	
162 ->190	0.16430					
163 ->190	0.22380					
169 ->191	0.10080					
170 ->192	0.11904					
172 ->194	0.12245					
173 ->193	0.31250					
175 ->194	-0.20671					
181 ->197	0.12313					
182 ->198	-0.11259					
182 ->199	0.12100					
182 ->200	-0.11718					
182 ->202	-0.10980					
185 ->205	-0.18405					
Excited State 201:	Singlet-A	6.2552 eV	198.21 nm	f=0.0050	<S**2>=0.000	
162 ->190	0.12620					
163 ->190	0.24396					
168 ->192	-0.13911					
169 ->191	-0.12702					
172 ->193	0.11988					
173 ->193	-0.14418					
175 ->194	0.10669					
175 ->195	0.13082					
177 ->196	0.16544					
182 ->199	-0.22138					
182 ->201	-0.14935					
182 ->202	0.13162					
183 ->203	0.14563					
185 ->205	-0.11998					
Excited State 202:	Singlet-A	6.2607 eV	198.04 nm	f=0.0063	<S**2>=0.000	
163 ->190	0.12529					
166 ->192	0.12643					
168 ->192	0.20415					
169 ->191	0.14706					
172 ->193	-0.13654					
173 ->193	0.14479					
181 ->197	-0.10965					
181 ->198	0.16295					
182 ->198	0.13616					
184 ->204	-0.17039					
184 ->205	0.10459					
185 ->204	0.12034					
185 ->208	-0.17072					
Excited State 203:	Singlet-A	6.2628 eV	197.97 nm	f=0.0094	<S**2>=0.000	
156 ->190	0.11221					
162 ->190	-0.17195					
163 ->190	-0.21888					
166 ->191	-0.10791					
168 ->192	-0.14792					
177 ->196	-0.12170					
181 ->198	0.12214					
182 ->201	-0.22733					
183 ->201	-0.15874					
183 ->203	0.24798					
184 ->204	-0.17042					
184 ->205	0.10686					
Excited State 204:	Singlet-A	6.2731 eV	197.64 nm	f=0.0176	<S**2>=0.000	
168 ->191	0.10342					
169 ->192	0.14444					
170 ->191	0.10346					
171 ->191	-0.11693					
172 ->193	0.35015					
173 ->194	0.20106					
175 ->195	-0.12063					
181 ->198	0.12593					
184 ->204	0.15194					
185 ->208	-0.17860					
Excited State 205:	Singlet-A	6.2780 eV	197.49 nm	f=0.0126	<S**2>=0.000	
166 ->192	-0.11510					
168 ->192	-0.15913					
175 ->195	0.11317					
181 ->197	-0.10581					
182 ->199	0.11313					

182 ->202	-0.23843					
183 ->203	-0.15913					
184 ->204	-0.15437					
185 ->204	0.10542					
185 ->205	0.25824					
185 ->208	-0.21557					
189 ->209	0.11274					
Excited State 206:	Singlet-A	6.2858 eV	197.25 nm	f=0.0097	<S**2>=0.000	
181 ->197	0.38689					
182 ->199	-0.19006					
182 ->202	0.10835					
183 ->203	-0.15890					
185 ->204	0.10082					
185 ->206	0.11822					
185 ->208	-0.27176					
Excited State 207:	Singlet-A	6.2902 eV	197.11 nm	f=0.0071	<S**2>=0.000	
166 ->192	-0.10194					
168 ->192	-0.19281					
169 ->192	-0.11568					
172 ->193	-0.15104					
180 ->197	-0.11425					
181 ->197	-0.28640					
182 ->202	0.10436					
184 ->204	0.31453					
185 ->205	-0.11022					
185 ->208	-0.15038					
189 ->209	-0.10532					
Excited State 208:	Singlet-A	6.3058 eV	196.62 nm	f=0.0025	<S**2>=0.000	
180 ->198	-0.11085					
182 ->201	0.31302					
182 ->202	0.21146					
184 ->204	-0.18836					
184 ->208	-0.13280					
185 ->205	-0.25225					
185 ->206	-0.10527					
185 ->208	-0.11852					
189 ->209	0.19206					
Excited State 209:	Singlet-A	6.3163 eV	196.29 nm	f=0.0058	<S**2>=0.000	
182 ->201	-0.19453					
185 ->206	0.11369					
189 ->209	0.58710					
Excited State 210:	Singlet-A	6.3283 eV	195.92 nm	f=0.1638	<S**2>=0.000	
155 ->190	0.10809					
156 ->190	0.22196					
159 ->190	0.12734					
160 ->190	-0.32127					
162 ->190	0.20456					
166 ->190	0.10933					
175 ->195	0.33161					
175 ->196	0.15414					
184 ->204	0.10159					
Excited State 211:	Singlet-A	6.3386 eV	195.60 nm	f=0.0462	<S**2>=0.000	
160 ->190	0.12356					
174 ->193	0.18038					
174 ->194	-0.21568					
174 ->195	-0.14938					
174 ->196	0.38602					
175 ->195	0.14746					
176 ->196	-0.38376					
Excited State 212:	Singlet-A	6.3486 eV	195.29 nm	f=0.0990	<S**2>=0.000	
160 ->190	0.10566					
174 ->194	0.54472					
175 ->195	0.20655					
185 ->206	-0.14186					
Excited State 213:	Singlet-A	6.3509 eV	195.22 nm	f=0.1360	<S**2>=0.000	
174 ->194	0.30732					
174 ->196	0.16697					
175 ->195	-0.20337					
176 ->196	-0.13812					
180 ->197	-0.21451					
181 ->197	-0.10914					
182 ->202	-0.14709					

184 ->204	-0.10660					
184 ->205	-0.12049					
185 ->205	-0.11400					
185 ->206	0.19566					
185 ->207	0.14388					
Excited State 214:	Singlet-A	6.3715 eV	194.59 nm	f=0.0218	<S**2>=0.000	
160 ->190	0.16224					
174 ->194	-0.11485					
174 ->195	-0.13411					
179 ->197	-0.17730					
181 ->198	-0.10707					
182 ->201	-0.12959					
182 ->203	0.40494					
184 ->208	0.13327					
185 ->206	-0.23426					
185 ->207	0.14069					
Excited State 215:	Singlet-A	6.3808 eV	194.31 nm	f=0.0087	<S**2>=0.000	
159 ->190	-0.12068					
160 ->190	-0.14225					
174 ->195	0.14884					
176 ->196	-0.12083					
179 ->197	0.24577					
179 ->199	-0.12850					
180 ->197	0.24775					
182 ->201	-0.12089					
182 ->203	0.22762					
185 ->205	-0.21699					
Excited State 216:	Singlet-A	6.3857 eV	194.16 nm	f=0.0486	<S**2>=0.000	
159 ->190	0.10156					
160 ->190	0.25111					
174 ->196	-0.11422					
175 ->195	0.15398					
181 ->198	0.17404					
183 ->203	-0.11738					
183 ->204	-0.22652					
183 ->208	-0.10935					
184 ->204	0.25402					
184 ->208	-0.15828					
185 ->205	-0.19218					
Excited State 217:	Singlet-A	6.3906 eV	194.01 nm	f=0.0041	<S**2>=0.000	
156 ->190	0.10412					
159 ->190	0.16459					
160 ->190	0.26868					
180 ->197	0.13248					
182 ->201	0.13369					
182 ->203	-0.16358					
183 ->208	0.12857					
184 ->204	-0.21794					
184 ->208	0.26772					
185 ->206	0.15147					
Excited State 218:	Singlet-A	6.4030 eV	193.63 nm	f=0.0142	<S**2>=0.000	
156 ->190	0.14384					
159 ->190	0.26293					
160 ->190	0.16670					
162 ->190	0.12470					
174 ->195	0.16090					
179 ->197	0.28668					
179 ->199	-0.14487					
182 ->203	0.10488					
184 ->208	-0.10903					
185 ->205	0.13599					
185 ->206	-0.13279					
Excited State 219:	Singlet-A	6.4148 eV	193.28 nm	f=0.0465	<S**2>=0.000	
174 ->195	-0.10721					
174 ->196	0.30347					
175 ->196	0.22105					
176 ->196	0.22568					
177 ->196	0.18292					
179 ->197	-0.10318					
180 ->197	0.33995					
181 ->197	-0.12571					
Excited State 220:	Singlet-A	6.4347 eV	192.68 nm	f=0.0207	<S**2>=0.000	
166 ->191	-0.17952					

168 ->191	0.13534					
171 ->191	-0.16326					
173 ->193	-0.16207					
174 ->196	0.25502					
176 ->196	0.30333					
179 ->197	0.10523					
180 ->197	-0.14806					
186 ->207	-0.10289					
Excited State 221:	Singlet-A	6.4424 eV	192.45 nm	f=0.0194	<S**2>=0.000	
166 ->191	0.15461					
166 ->192	-0.10947					
171 ->191	0.11942					
174 ->196	0.17032					
176 ->196	0.22336					
180 ->197	-0.12008					
181 ->198	0.21390					
181 ->201	0.12178					
182 ->203	-0.11492					
184 ->205	-0.20648					
184 ->208	0.17283					
185 ->206	-0.16536					
185 ->207	-0.10314					
Excited State 222:	Singlet-A	6.4537 eV	192.11 nm	f=0.0105	<S**2>=0.000	
166 ->191	0.15825					
166 ->192	-0.12914					
168 ->191	-0.10070					
181 ->198	-0.23154					
181 ->201	-0.12260					
182 ->202	-0.10804					
183 ->204	0.27355					
184 ->208	-0.18240					
185 ->205	-0.11012					
185 ->207	-0.26199					
188 ->211	-0.10814					
Excited State 223:	Singlet-A	6.4566 eV	192.03 nm	f=0.0044	<S**2>=0.000	
160 ->190	0.16528					
161 ->190	0.64319					
162 ->190	0.14360					
Excited State 224:	Singlet-A	6.4627 eV	191.85 nm	f=0.0458	<S**2>=0.000	
161 ->190	-0.14020					
172 ->194	0.15147					
173 ->193	-0.19304					
175 ->195	-0.10790					
175 ->196	0.22769					
181 ->198	0.26360					
181 ->201	0.10245					
181 ->202	0.11458					
183 ->204	0.25580					
185 ->207	-0.16068					
Excited State 225:	Singlet-A	6.4671 eV	191.72 nm	f=0.0348	<S**2>=0.000	
170 ->191	-0.12602					
172 ->193	0.22803					
173 ->194	-0.19889					
175 ->195	0.11376					
175 ->196	-0.14463					
176 ->196	0.10433					
181 ->198	0.13561					
184 ->205	0.22833					
184 ->206	0.10785					
185 ->206	0.26560					
185 ->207	0.17846					
Excited State 226:	Singlet-A	6.4688 eV	191.66 nm	f=0.0056	<S**2>=0.000	
171 ->191	-0.20920					
172 ->193	-0.23600					
173 ->194	0.21133					
175 ->195	0.11112					
181 ->198	0.13098					
183 ->204	0.37140					
185 ->206	0.10033					
185 ->207	0.18291					
Excited State 227:	Singlet-A	6.4790 eV	191.36 nm	f=0.0182	<S**2>=0.000	
166 ->191	-0.15330					
166 ->192	0.11988					

170 ->191	0.21916					
171 ->191	0.34248					
171 ->192	0.11001					
172 ->193	0.10452					
172 ->194	-0.21904					
173 ->193	0.19462					
182 ->203	0.12974					
184 ->205	-0.13244					
185 ->207	-0.15673					
Excited State 228:	Singlet-A	6.4857 eV	191.17 nm	f=0.0042	<S**2>=0.000	
169 ->191	0.15834					
170 ->191	0.29890					
171 ->191	0.37848					
172 ->194	0.17569					
173 ->193	-0.14443					
182 ->203	-0.13609					
185 ->207	0.22316					
Excited State 229:	Singlet-A	6.4927 eV	190.96 nm	f=0.0081	<S**2>=0.000	
169 ->191	-0.18018					
171 ->191	0.13043					
172 ->193	-0.15983					
172 ->194	-0.16235					
173 ->193	0.12918					
173 ->194	0.29368					
180 ->200	0.10671					
181 ->200	0.21606					
181 ->202	0.10744					
184 ->205	0.22143					
188 ->209	-0.13205					
188 ->211	-0.12665					
Excited State 230:	Singlet-A	6.5008 eV	190.72 nm	f=0.0034	<S**2>=0.000	
172 ->193	-0.13310					
172 ->194	0.20471					
173 ->193	-0.12771					
173 ->194	0.25209					
184 ->205	0.11171					
184 ->208	-0.10976					
188 ->209	0.26548					
188 ->210	0.10589					
188 ->211	0.22774					
188 ->213	-0.13454					
188 ->214	-0.12915					
188 ->216	0.12473					
Excited State 231:	Singlet-A	6.5134 eV	190.35 nm	f=0.0007	<S**2>=0.000	
173 ->194	0.11555					
180 ->200	-0.10570					
181 ->199	-0.13286					
181 ->200	-0.20286					
183 ->204	-0.11653					
189 ->210	0.38055					
189 ->212	0.35199					
Excited State 232:	Singlet-A	6.5188 eV	190.19 nm	f=0.0066	<S**2>=0.000	
169 ->191	-0.10024					
173 ->194	-0.12963					
180 ->198	-0.12239					
180 ->200	0.10991					
181 ->200	0.24299					
181 ->201	-0.12737					
182 ->203	-0.11860					
183 ->205	-0.17925					
184 ->207	0.14314					
185 ->206	-0.11692					
185 ->207	0.15293					
188 ->209	0.10053					
189 ->210	0.27717					
189 ->212	0.27807					
Excited State 233:	Singlet-A	6.5322 eV	189.81 nm	f=0.0147	<S**2>=0.000	
155 ->190	-0.11279					
156 ->190	-0.28765					
159 ->190	0.44558					
160 ->190	-0.13197					
170 ->191	-0.11006					
171 ->192	-0.10135					
175 ->196	-0.15976					

178 ->197	0.12396				
180 ->197	0.12475				
Excited State 234:	Singlet-A	6.5406 eV	189.56 nm	f=0.0076	<S**2>=0.000
159 ->190	0.13488				
160 ->191	-0.10055				
160 ->192	0.12861				
164 ->191	-0.10200				
166 ->191	0.21422				
166 ->192	-0.14861				
168 ->192	-0.12882				
169 ->191	0.17137				
170 ->191	0.14564				
171 ->191	-0.10857				
171 ->192	0.35944				
172 ->194	-0.15540				
180 ->198	0.12549				
181 ->200	0.10153				
Excited State 235:	Singlet-A	6.5514 eV	189.25 nm	f=0.0109	<S**2>=0.000
160 ->191	0.13050				
166 ->191	-0.15427				
169 ->191	0.13381				
169 ->192	0.23250				
170 ->191	-0.20220				
171 ->192	-0.13912				
180 ->198	0.28844				
181 ->199	0.12836				
181 ->201	0.11967				
184 ->206	-0.14903				
184 ->208	-0.16629				
Excited State 236:	Singlet-A	6.5553 eV	189.14 nm	f=0.0228	<S**2>=0.000
168 ->192	-0.14231				
169 ->191	0.20716				
169 ->192	0.26730				
170 ->191	-0.10371				
180 ->198	-0.23292				
183 ->208	-0.12202				
184 ->205	-0.17178				
184 ->207	0.13509				
184 ->208	0.14854				
Excited State 237:	Singlet-A	6.5581 eV	189.05 nm	f=0.0481	<S**2>=0.000
169 ->192	-0.15980				
171 ->192	-0.12070				
172 ->194	0.19746				
180 ->198	0.10714				
181 ->199	0.17828				
181 ->201	0.13051				
182 ->202	0.11382				
182 ->204	0.29999				
183 ->206	0.11239				
183 ->208	0.11953				
184 ->205	-0.18541				
184 ->207	0.16336				
188 ->209	-0.15582				
Excited State 238:	Singlet-A	6.5635 eV	188.90 nm	f=0.0025	<S**2>=0.000
171 ->192	0.11807				
180 ->198	0.11013				
181 ->202	-0.10710				
184 ->206	-0.10965				
188 ->209	0.50374				
188 ->211	-0.21203				
Excited State 239:	Singlet-A	6.5683 eV	188.76 nm	f=0.0638	<S**2>=0.000
156 ->190	-0.12090				
159 ->190	0.10806				
180 ->197	-0.10502				
180 ->198	-0.22349				
180 ->200	-0.11538				
181 ->199	0.21047				
181 ->200	-0.13212				
181 ->202	-0.14829				
181 ->203	-0.10034				
181 ->208	-0.12033				
182 ->204	0.22789				
183 ->208	0.18845				
184 ->206	-0.16274				

Excited State 240:	Singlet-A	6.5733 eV	188.62 nm	f=0.0041	<S**2>=0.000
168 ->192	0.11431				
169 ->191	-0.11847				
170 ->191	-0.12734				
170 ->192	0.41162				
171 ->192	0.41293				
172 ->194	0.11029				
188 ->209	-0.16900				
Excited State 241:	Singlet-A	6.5866 eV	188.24 nm	f=0.0079	<S**2>=0.000
181 ->199	0.42536				
182 ->204	-0.18847				
183 ->205	-0.11337				
183 ->208	-0.15384				
184 ->206	0.30622				
184 ->207	-0.13320				
Excited State 242:	Singlet-A	6.5937 eV	188.04 nm	f=0.0064	<S**2>=0.000
181 ->199	-0.12024				
182 ->204	0.14040				
183 ->205	-0.19859				
183 ->208	0.29761				
184 ->206	0.37595				
184 ->207	-0.12644				
Excited State 243:	Singlet-A	6.5991 eV	187.88 nm	f=0.0317	<S**2>=0.000
156 ->190	0.13070				
158 ->190	-0.19965				
175 ->196	-0.18973				
180 ->198	-0.11820				
181 ->199	0.23983				
181 ->200	-0.12318				
182 ->204	-0.17391				
183 ->204	-0.10681				
183 ->205	0.20068				
183 ->207	0.11066				
183 ->208	0.14787				
184 ->207	0.18609				
Excited State 244:	Singlet-A	6.6126 eV	187.50 nm	f=0.0360	<S**2>=0.000
157 ->190	-0.14689				
158 ->190	0.26726				
181 ->200	0.17247				
182 ->204	-0.21587				
183 ->204	-0.11145				
183 ->205	0.14604				
183 ->208	0.23851				
184 ->205	-0.12526				
Excited State 245:	Singlet-A	6.6144 eV	187.45 nm	f=0.0130	<S**2>=0.000
158 ->190	-0.11404				
160 ->192	-0.11346				
162 ->191	-0.16468				
162 ->192	-0.13296				
164 ->191	0.30415				
164 ->192	0.21550				
168 ->193	-0.11306				
169 ->191	0.13728				
169 ->192	0.14622				
170 ->192	-0.13136				
182 ->204	0.16521				
Excited State 246:	Singlet-A	6.6192 eV	187.31 nm	f=0.0025	<S**2>=0.000
157 ->190	-0.11968				
158 ->190	0.27177				
181 ->200	-0.22800				
181 ->202	0.23343				
181 ->203	-0.15084				
184 ->206	0.14255				
184 ->207	0.26544				
188 ->209	0.10390				
189 ->211	0.10169				
Excited State 247:	Singlet-A	6.6272 eV	187.09 nm	f=0.0257	<S**2>=0.000
157 ->190	-0.29911				
158 ->190	0.33719				
175 ->196	-0.21556				
178 ->197	0.12122				
181 ->199	0.14668				

181 ->203	0.11154					
182 ->204	0.10652					
183 ->208	-0.11906					
Excited State 248:	Singlet-A	6.6304 eV	186.99 nm	f=0.0220	<S**2>=0.000	
166 ->192	-0.10818					
172 ->194	-0.12891					
180 ->202	-0.12245					
181 ->200	0.12948					
181 ->201	0.14036					
181 ->202	-0.17995					
183 ->204	0.10513					
183 ->205	0.29545					
183 ->207	0.13311					
183 ->208	-0.16700					
184 ->206	0.21708					
184 ->207	0.17869					
Excited State 249:	Singlet-A	6.6482 eV	186.49 nm	f=0.0389	<S**2>=0.000	
149 ->190	-0.10524					
150 ->190	0.15298					
151 ->190	0.14721					
152 ->190	-0.23273					
157 ->190	0.17410					
166 ->191	0.20981					
166 ->192	0.25024					
168 ->191	-0.10730					
168 ->192	-0.17222					
169 ->191	-0.13515					
169 ->192	-0.10881					
181 ->202	-0.13916					
Excited State 250:	Singlet-A	6.6532 eV	186.35 nm	f=0.0010	<S**2>=0.000	
181 ->200	0.11632					
181 ->202	-0.22572					
183 ->208	0.11430					
189 ->211	0.39088					
189 ->212	-0.12897					
189 ->213	0.23110					
189 ->214	0.28530					
Excited State 251:	Singlet-A	6.6630 eV	186.08 nm	f=0.0288	<S**2>=0.000	
149 ->190	-0.12274					
150 ->190	0.17130					
151 ->190	0.15919					
152 ->190	-0.26157					
157 ->190	0.27079					
160 ->190	-0.10246					
166 ->191	-0.14831					
166 ->192	-0.22663					
168 ->192	0.16562					
169 ->191	0.11486					
Excited State 252:	Singlet-A	6.6718 eV	185.83 nm	f=0.0094	<S**2>=0.000	
151 ->194	0.10063					
164 ->191	0.18634					
166 ->191	0.12212					
166 ->192	-0.12805					
166 ->193	0.22026					
167 ->193	-0.14958					
168 ->193	0.38536					
170 ->193	-0.20102					
Excited State 253:	Singlet-A	6.6801 eV	185.60 nm	f=0.0519	<S**2>=0.000	
168 ->193	-0.10864					
170 ->192	0.11342					
180 ->198	-0.11229					
181 ->201	0.28386					
181 ->202	-0.18551					
181 ->203	-0.18230					
182 ->204	-0.18817					
182 ->205	-0.14913					
183 ->205	-0.23351					
189 ->211	-0.11871					
Excited State 254:	Singlet-A	6.6826 eV	185.53 nm	f=0.0052	<S**2>=0.000	
175 ->196	-0.14450					
177 ->197	0.14388					
180 ->203	-0.13758					
181 ->201	0.24676					

181 ->202	0.14114					
181 ->203	-0.24478					
182 ->204	-0.13214					
182 ->208	0.11961					
184 ->207	-0.15165					
189 ->211	0.11149					
Excited State 255:	Singlet-A	6.6903 eV	185.32 nm	f=0.1307	<S**2>=0.000	
166 ->192	-0.19488					
169 ->191	-0.13189					
169 ->192	0.16238					
169 ->193	0.14072					
170 ->192	-0.18062					
182 ->205	0.29997					
183 ->206	0.22767					
183 ->207	-0.19828					
184 ->207	0.11882					
Excited State 256:	Singlet-A	6.7069 eV	184.86 nm	f=0.0387	<S**2>=0.000	
169 ->192	0.13640					
170 ->191	0.12942					
180 ->199	-0.10081					
180 ->201	-0.19259					
180 ->202	-0.16973					
181 ->203	0.23891					
182 ->205	0.25236					
182 ->207	0.12546					
182 ->208	0.18021					
183 ->206	-0.20201					
183 ->207	0.17610					
184 ->207	0.10857					
Excited State 257:	Singlet-A	6.7186 eV	184.54 nm	f=0.0376	<S**2>=0.000	
177 ->197	-0.10610					
180 ->201	0.22679					
180 ->202	0.21960					
181 ->203	-0.23741					
182 ->205	0.28826					
183 ->205	0.11346					
183 ->206	-0.26375					
183 ->207	0.17560					
Excited State 258:	Singlet-A	6.7235 eV	184.40 nm	f=0.0312	<S**2>=0.000	
177 ->197	0.23940					
178 ->197	-0.18922					
180 ->199	0.19346					
180 ->200	0.19673					
180 ->202	0.13220					
180 ->203	0.16245					
181 ->199	-0.10360					
181 ->200	-0.12708					
181 ->201	-0.14446					
181 ->202	-0.13792					
182 ->208	0.21791					
Excited State 259:	Singlet-A	6.7370 eV	184.03 nm	f=0.0697	<S**2>=0.000	
166 ->191	0.11291					
168 ->194	-0.11706					
177 ->197	-0.28414					
178 ->197	0.14261					
180 ->199	0.41225					
Excited State 260:	Singlet-A	6.7387 eV	183.99 nm	f=0.0080	<S**2>=0.000	
160 ->191	-0.15711					
164 ->191	-0.10553					
164 ->192	0.17274					
168 ->194	0.18122					
170 ->191	-0.12031					
180 ->199	0.34671					
181 ->203	0.11081					
182 ->205	0.10697					
182 ->206	0.13609					
182 ->207	-0.10387					
183 ->207	0.14523					
Excited State 261:	Singlet-A	6.7471 eV	183.76 nm	f=0.0054	<S**2>=0.000	
164 ->192	0.10007					
173 ->195	0.11758					
177 ->197	-0.24396					
180 ->199	-0.19605					

180 ->200	0.16357					
182 ->204	-0.10798					
182 ->208	0.29911					
188 ->210	0.20284					
188 ->212	0.17933					
Excited State 262:	Singlet-A	6.7537 eV	183.58 nm	f=0.0337	<S**2>=0.000	
160 ->191	0.12236					
164 ->192	-0.11304					
169 ->192	-0.11609					
173 ->195	-0.13477					
180 ->198	-0.11506					
180 ->200	0.30166					
180 ->201	-0.22074					
181 ->200	-0.13545					
182 ->208	-0.15846					
183 ->207	0.14148					
Excited State 263:	Singlet-A	6.7558 eV	183.52 nm	f=0.0014	<S**2>=0.000	
172 ->195	0.14107					
173 ->195	0.62954					
183 ->207	0.10904					
Excited State 264:	Singlet-A	6.7647 eV	183.28 nm	f=0.0142	<S**2>=0.000	
169 ->192	0.12844					
173 ->195	0.11214					
178 ->197	0.13266					
179 ->198	0.10373					
180 ->200	0.25272					
180 ->201	-0.11099					
181 ->200	-0.14835					
183 ->206	-0.17730					
183 ->207	-0.24909					
188 ->210	-0.22063					
188 ->212	-0.18254					
Excited State 265:	Singlet-A	6.7692 eV	183.16 nm	f=0.0461	<S**2>=0.000	
168 ->194	0.10016					
174 ->197	-0.19722					
174 ->199	0.11168					
176 ->197	0.11510					
177 ->197	0.18666					
178 ->197	0.22587					
179 ->198	0.22176					
189 ->215	0.14146					
Excited State 266:	Singlet-A	6.7712 eV	183.11 nm	f=0.0315	<S**2>=0.000	
168 ->194	0.10809					
178 ->197	-0.12605					
182 ->208	-0.10611					
183 ->206	-0.18662					
183 ->207	-0.20706					
187 ->211	0.11020					
188 ->210	0.31334					
188 ->212	0.30310					
Excited State 267:	Singlet-A	6.7774 eV	182.94 nm	f=0.0081	<S**2>=0.000	
164 ->191	0.17173					
164 ->193	-0.10011					
166 ->194	0.17711					
167 ->194	-0.10738					
168 ->194	0.27775					
170 ->194	-0.12517					
177 ->197	-0.12079					
182 ->206	-0.11732					
182 ->207	0.10519					
183 ->206	0.20594					
183 ->207	0.12224					
189 ->213	0.12313					
189 ->215	-0.20017					
Excited State 268:	Singlet-A	6.7818 eV	182.82 nm	f=0.0254	<S**2>=0.000	
174 ->197	0.11687					
178 ->197	-0.11797					
179 ->198	0.16451					
188 ->210	-0.10318					
188 ->212	-0.14127					
189 ->210	-0.18643					
189 ->211	0.14265					
189 ->212	0.17236					

189 ->213	-0.10838					
189 ->214	-0.20092					
189 ->215	0.35683					
189 ->216	-0.10583					
Excited State 269:	Singlet-A	6.7851 eV	182.73 nm	f=0.0170	<S**2>=0.000	
177 ->197	-0.13924					
179 ->198	0.43220					
179 ->200	0.17082					
179 ->203	0.12588					
189 ->213	0.10744					
189 ->215	-0.21126					
Excited State 270:	Singlet-A	6.7877 eV	182.66 nm	f=0.0097	<S**2>=0.000	
160 ->191	0.19043					
164 ->191	0.16281					
164 ->192	-0.19151					
169 ->192	-0.12076					
170 ->192	-0.13974					
182 ->206	0.22172					
182 ->207	-0.19869					
182 ->208	0.14475					
183 ->206	-0.16687					
183 ->207	-0.12372					
Excited State 271:	Singlet-A	6.7969 eV	182.41 nm	f=0.0064	<S**2>=0.000	
172 ->195	-0.16494					
187 ->211	0.11761					
189 ->210	-0.28839					
189 ->211	0.11785					
189 ->212	0.32781					
189 ->213	0.22958					
189 ->214	-0.18275					
189 ->215	-0.20263					
Excited State 272:	Singlet-A	6.7987 eV	182.37 nm	f=0.0215	<S**2>=0.000	
177 ->197	-0.12682					
181 ->203	-0.11665					
182 ->208	0.27547					
187 ->209	0.17364					
187 ->211	0.24247					
187 ->213	-0.14142					
187 ->214	-0.12373					
187 ->216	0.13239					
188 ->210	-0.10033					
189 ->210	0.10350					
189 ->212	-0.10905					
189 ->213	-0.10723					
189 ->215	0.12025					
Excited State 273:	Singlet-A	6.8091 eV	182.09 nm	f=0.0139	<S**2>=0.000	
172 ->195	0.61656					
173 ->195	-0.12420					
181 ->204	0.12405					
183 ->206	-0.10096					
183 ->207	-0.10157					
Excited State 274:	Singlet-A	6.8168 eV	181.88 nm	f=0.0161	<S**2>=0.000	
172 ->195	-0.11731					
176 ->197	0.11320					
177 ->198	0.22418					
178 ->198	-0.14267					
179 ->198	-0.12078					
180 ->203	0.15205					
180 ->204	0.12252					
181 ->203	-0.13604					
181 ->204	0.37468					
187 ->211	-0.13701					
Excited State 275:	Singlet-A	6.8223 eV	181.73 nm	f=0.0029	<S**2>=0.000	
152 ->190	0.11666					
155 ->190	-0.12135					
156 ->190	0.13511					
157 ->190	0.24397					
158 ->190	0.19956					
177 ->198	-0.11849					
180 ->200	-0.14657					
180 ->201	-0.14997					
180 ->202	0.16237					
180 ->204	0.14767					

181 ->208	0.11322					
182 ->208	0.13175					
187 ->209	-0.13433					
189 ->210	-0.10939					
189 ->212	0.11956					
189 ->214	0.10518					
189 ->216	0.12702					
Excited State 276:	Singlet-A	6.8249 eV	181.66 nm	f=0.0562	<S**2>=0.000	
152 ->190	0.11894					
156 ->190	0.10670					
157 ->190	0.24916					
158 ->190	0.19869					
165 ->191	-0.14086					
177 ->198	0.15819					
178 ->198	-0.12812					
180 ->203	0.21978					
181 ->204	-0.10053					
181 ->205	-0.10258					
187 ->209	0.10476					
189 ->214	-0.10448					
189 ->216	-0.11453					
Excited State 277:	Singlet-A	6.8319 eV	181.48 nm	f=0.0315	<S**2>=0.000	
165 ->191	0.51360					
165 ->192	-0.10458					
166 ->191	0.11456					
180 ->200	-0.10709					
180 ->201	-0.14903					
180 ->202	0.12884					
180 ->203	0.11149					
Excited State 278:	Singlet-A	6.8343 eV	181.41 nm	f=0.0988	<S**2>=0.000	
152 ->190	0.11713					
157 ->190	0.20452					
158 ->190	0.15177					
165 ->191	0.32980					
170 ->192	-0.10782					
172 ->194	0.13495					
180 ->200	0.13200					
180 ->201	0.11881					
180 ->202	-0.22000					
181 ->202	0.11446					
183 ->207	0.14647					
Excited State 279:	Singlet-A	6.8413 eV	181.23 nm	f=0.0281	<S**2>=0.000	
155 ->190	0.24667					
157 ->190	0.13233					
176 ->197	0.21500					
180 ->201	0.10448					
180 ->203	-0.17626					
187 ->209	0.11703					
189 ->210	-0.12122					
189 ->212	0.11354					
189 ->213	-0.16902					
189 ->214	0.20302					
189 ->216	0.20553					
Excited State 280:	Singlet-A	6.8482 eV	181.05 nm	f=0.0653	<S**2>=0.000	
155 ->190	-0.22569					
157 ->190	-0.10655					
180 ->202	-0.17816					
180 ->203	0.20928					
181 ->204	-0.18279					
189 ->210	-0.11241					
189 ->212	0.12334					
189 ->213	-0.15839					
189 ->214	0.24528					
189 ->216	0.23198					
Excited State 281:	Singlet-A	6.8596 eV	180.75 nm	f=0.0536	<S**2>=0.000	
155 ->190	0.35985					
156 ->190	-0.12103					
177 ->198	-0.23286					
180 ->202	-0.19699					
180 ->203	0.27358					
181 ->202	0.10920					
187 ->209	-0.17037					
Excited State 282:	Singlet-A	6.8626 eV	180.67 nm	f=0.2083	<S**2>=0.000	

155 ->190	0.30800					
156 ->190	-0.11146					
169 ->191	-0.12452					
172 ->194	0.15951					
176 ->197	-0.11183					
177 ->198	0.13639					
180 ->201	-0.19346					
180 ->202	0.21362					
182 ->205	-0.13314					
182 ->206	0.10284					
183 ->207	0.11396					
Excited State 283:	Singlet-A	6.8718 eV	180.43 nm	f=0.1360	<S**2>=0.000	
171 ->193	0.12576					
176 ->197	0.34155					
178 ->197	-0.13609					
180 ->201	-0.15850					
180 ->203	0.13671					
181 ->204	-0.14278					
182 ->207	0.11452					
186 ->209	-0.10019					
188 ->214	0.11281					
189 ->213	0.19388					
189 ->214	-0.13536					
Excited State 284:	Singlet-A	6.8794 eV	180.23 nm	f=0.0507	<S**2>=0.000	
176 ->197	-0.18245					
178 ->197	0.11427					
186 ->209	-0.14081					
188 ->211	0.17494					
188 ->214	0.23939					
189 ->213	0.18182					
189 ->215	0.24402					
189 ->216	0.30473					
Excited State 285:	Singlet-A	6.8880 eV	180.00 nm	f=0.0228	<S**2>=0.000	
170 ->193	-0.12468					
180 ->206	0.12839					
181 ->204	-0.11022					
181 ->205	0.12840					
181 ->206	0.15560					
182 ->206	-0.18657					
187 ->209	0.43555					
187 ->211	-0.10756					
Excited State 286:	Singlet-A	6.8990 eV	179.71 nm	f=0.0122	<S**2>=0.000	
165 ->192	0.13039					
167 ->191	0.24802					
170 ->193	0.12942					
171 ->193	0.15459					
177 ->198	-0.24222					
180 ->206	-0.10085					
181 ->205	-0.14323					
181 ->206	-0.12640					
187 ->209	0.24063					
188 ->211	0.17723					
188 ->214	0.13186					
Excited State 287:	Singlet-A	6.9011 eV	179.66 nm	f=0.0150	<S**2>=0.000	
167 ->191	-0.16543					
174 ->197	0.24446					
174 ->199	-0.10638					
176 ->197	0.24285					
177 ->197	0.12150					
178 ->197	0.13087					
182 ->206	0.26307					
182 ->207	0.18779					
186 ->209	0.10741					
188 ->211	0.13876					
Excited State 288:	Singlet-A	6.9061 eV	179.53 nm	f=0.0240	<S**2>=0.000	
162 ->191	-0.11191					
165 ->192	0.15231					
167 ->191	0.46825					
167 ->192	0.12373					
168 ->191	0.12017					
174 ->197	0.15146					
177 ->198	0.15592					
178 ->197	0.14804					

Excited State 289:	Singlet-A	6.9100 eV	179.43 nm	f=0.0236	<S**2>=0.000
176 ->197	-0.12060				
187 ->209	-0.22487				
188 ->210	-0.12847				
188 ->211	0.31302				
188 ->213	0.25403				
188 ->214	0.12424				
188 ->216	-0.11570				
189 ->213	-0.14290				
189 ->215	-0.14747				
189 ->216	-0.21784				
Excited State 290:	Singlet-A	6.9158 eV	179.28 nm	f=0.0306	<S**2>=0.000
167 ->191	-0.20400				
170 ->193	0.29718				
171 ->193	0.50961				
Excited State 291:	Singlet-A	6.9208 eV	179.15 nm	f=0.0500	<S**2>=0.000
160 ->191	0.23195				
160 ->192	-0.12441				
162 ->192	-0.10427				
164 ->191	-0.13054				
164 ->192	0.21613				
165 ->191	-0.10631				
165 ->192	-0.13969				
171 ->193	0.16654				
176 ->197	-0.17173				
182 ->206	0.10769				
182 ->207	0.29084				
Excited State 292:	Singlet-A	6.9262 eV	179.01 nm	f=0.1406	<S**2>=0.000
154 ->190	0.10348				
171 ->193	-0.13223				
173 ->196	0.11915				
174 ->197	-0.10644				
176 ->197	-0.11087				
177 ->198	-0.13412				
178 ->197	-0.12843				
178 ->198	-0.19841				
180 ->205	0.11167				
181 ->205	0.21502				
182 ->206	0.28568				
182 ->207	0.10488				
186 ->209	-0.12563				
188 ->213	0.14143				
Excited State 293:	Singlet-A	6.9275 eV	178.97 nm	f=0.0629	<S**2>=0.000
160 ->191	-0.15805				
160 ->192	0.12984				
164 ->192	-0.16326				
165 ->191	0.13700				
165 ->192	0.27417				
166 ->192	0.11481				
167 ->191	-0.12315				
170 ->193	-0.12737				
176 ->197	-0.11187				
177 ->198	0.14100				
178 ->198	0.16483				
182 ->207	0.24887				
Excited State 294:	Singlet-A	6.9322 eV	178.85 nm	f=0.0140	<S**2>=0.000
154 ->190	-0.17823				
170 ->193	0.11236				
177 ->198	0.18865				
178 ->198	0.38867				
178 ->203	0.11443				
186 ->209	-0.11505				
188 ->213	0.17436				
Excited State 295:	Singlet-A	6.9338 eV	178.81 nm	f=0.0042	<S**2>=0.000
160 ->191	0.20587				
160 ->192	-0.11457				
162 ->192	-0.11894				
164 ->191	-0.13855				
164 ->192	0.23486				
165 ->192	0.50846				
167 ->191	-0.12263				
171 ->193	-0.10549				
Excited State 296:	Singlet-A	6.9402 eV	178.65 nm	f=0.0076	<S**2>=0.000

153 ->190	0.12760
154 ->190	0.52149
156 ->190	0.15640
178 ->198	0.17849
179 ->199	-0.13510
Excited State 297:	Singlet-A 6.9456 eV 178.51 nm f=0.0038 <S**2>=0.000
154 ->190	0.14834
177 ->198	0.13568
181 ->204	-0.12862
181 ->205	0.10120
186 ->209	0.30412
188 ->210	0.15455
188 ->212	-0.18173
188 ->213	-0.21381
188 ->214	0.27168
Excited State 298:	Singlet-A 6.9531 eV 178.32 nm f=0.0085 <S**2>=0.000
176 ->197	0.11657
179 ->197	0.31050
179 ->199	0.44563
179 ->200	-0.10674
179 ->201	0.12260
182 ->207	-0.11852
186 ->209	0.10787
Excited State 299:	Singlet-A 6.9628 eV 178.07 nm f=0.0263 <S**2>=0.000
154 ->190	-0.17261
170 ->193	-0.10362
173 ->196	0.18889
176 ->198	-0.14427
178 ->198	0.13997
179 ->197	-0.10524
179 ->199	-0.15913
180 ->202	0.10160
180 ->208	-0.15509
181 ->204	0.16003
181 ->208	-0.21470
186 ->209	0.30437
189 ->216	0.13145
Excited State 300:	Singlet-A 6.9640 eV 178.04 nm f=0.0346 <S**2>=0.000
172 ->196	0.15165
173 ->196	0.57887
186 ->209	-0.12955
188 ->214	0.10022

Compound 3

Excitation energies and oscillator strengths:

Excited State 1:	Singlet-A 2.5875 eV 479.16 nm f=0.0239 <S**2>=0.000
205 -> 206	0.69638
This state for optimization and/or second-order correction.	
Total Energy, E(TD-HF/TD-DFT) = -2664.84654585	
Copying the excited state density for this state as the 1-particle RhoCI density.	
Excited State 2:	Singlet-A 2.7434 eV 451.94 nm f=0.0584 <S**2>=0.000
204 -> 206	0.69057
Excited State 3:	Singlet-A 3.0447 eV 407.21 nm f=0.0586 <S**2>=0.000
202 -> 206	-0.11809
203 -> 206	0.68740
Excited State 4:	Singlet-A 3.1188 eV 397.53 nm f=0.0204 <S**2>=0.000
204 -> 207	-0.10799
205 -> 207	0.68718
Excited State 5:	Singlet-A 3.1872 eV 389.01 nm f=0.0024 <S**2>=0.000
205 -> 208	0.69229
Excited State 6:	Singlet-A 3.2726 eV 378.85 nm f=0.0154 <S**2>=0.000
198 -> 206	-0.13600
199 -> 206	-0.13499
200 -> 206	0.26785
202 -> 206	0.59425
203 -> 206	0.12127
Excited State 7:	Singlet-A 3.3448 eV 370.67 nm f=0.0715 <S**2>=0.000
204 -> 207	0.67303

205 -> 207	0.10047					
Excited State 8:	Singlet-A	3.3866 eV	366.10 nm	f=0.1711	<S**2>=0.000	
200 -> 206	0.11992					
201 -> 206	0.65253					
202 -> 206	-0.16486					
Excited State 9:	Singlet-A	3.4503 eV	359.35 nm	f=0.0101	<S**2>=0.000	
199 -> 206	0.11852					
202 -> 206	0.12273					
203 -> 207	0.15053					
204 -> 208	0.63777					
Excited State 10:	Singlet-A	3.5062 eV	353.62 nm	f=0.0530	<S**2>=0.000	
198 -> 206	0.13587					
199 -> 206	0.41383					
200 -> 206	-0.40513					
201 -> 206	0.14106					
202 -> 206	0.27472					
204 -> 208	-0.16273					
Excited State 11:	Singlet-A	3.5975 eV	344.64 nm	f=0.0316	<S**2>=0.000	
199 -> 206	0.50925					
200 -> 206	0.44271					
201 -> 206	-0.13448					
Excited State 12:	Singlet-A	3.6496 eV	339.72 nm	f=0.0162	<S**2>=0.000	
199 -> 206	0.10143					
203 -> 207	0.58004					
203 -> 208	0.31364					
204 -> 208	-0.13653					
Excited State 13:	Singlet-A	3.6896 eV	336.04 nm	f=0.0360	<S**2>=0.000	
203 -> 207	-0.28498					
203 -> 208	0.54661					
205 -> 209	-0.28611					
Excited State 14:	Singlet-A	3.7230 eV	333.02 nm	f=0.0453	<S**2>=0.000	
203 -> 208	0.27311					
205 -> 209	0.62348					
Excited State 15:	Singlet-A	3.8090 eV	325.50 nm	f=0.0004	<S**2>=0.000	
196 -> 206	0.56429					
198 -> 206	-0.35348					
200 -> 206	-0.12526					
Excited State 16:	Singlet-A	3.8473 eV	322.26 nm	f=0.0084	<S**2>=0.000	
202 -> 207	-0.15036					
203 -> 207	-0.11101					
204 -> 209	-0.11177					
205 -> 210	0.65550					
Excited State 17:	Singlet-A	3.8765 eV	319.84 nm	f=0.0016	<S**2>=0.000	
202 -> 207	0.10265					
202 -> 208	0.13897					
204 -> 209	0.63595					
205 -> 210	0.12989					
Excited State 18:	Singlet-A	3.9078 eV	317.28 nm	f=0.0043	<S**2>=0.000	
195 -> 206	0.10076					
196 -> 206	0.30918					
198 -> 206	0.47913					
200 -> 206	0.12084					
200 -> 207	0.10918					
202 -> 207	0.26295					
202 -> 208	-0.11514					
204 -> 209	-0.13847					
Excited State 19:	Singlet-A	3.9135 eV	316.81 nm	f=0.0125	<S**2>=0.000	
196 -> 206	-0.18101					
198 -> 206	-0.27418					
199 -> 207	-0.11822					
200 -> 207	0.18828					
200 -> 208	-0.11263					
202 -> 207	0.46681					
202 -> 208	-0.21400					
Excited State 20:	Singlet-A	3.9595 eV	313.13 nm	f=0.0102	<S**2>=0.000	
197 -> 206	0.60620					
202 -> 208	-0.11886					

204 -> 209	0.12101					
204 -> 212	0.13578					
205 -> 212	0.13988					
Excited State 21:	Singlet-A	3.9727 eV	312.09 nm	f=0.0402	<S**2>=0.000	
197 -> 206	0.13591					
200 -> 208	0.18983					
202 -> 207	0.19129					
202 -> 208	0.46806					
204 -> 209	-0.14327					
204 -> 210	-0.34671					
Excited State 22:	Singlet-A	4.0164 eV	308.70 nm	f=0.0281	<S**2>=0.000	
199 -> 207	-0.10192					
200 -> 207	0.16934					
201 -> 207	0.11425					
202 -> 207	0.13409					
202 -> 208	0.27179					
204 -> 210	0.54856					
Excited State 23:	Singlet-A	4.0366 eV	307.15 nm	f=0.0352	<S**2>=0.000	
201 -> 207	0.64853					
204 -> 210	-0.13649					
Excited State 24:	Singlet-A	4.0914 eV	303.03 nm	f=0.0401	<S**2>=0.000	
201 -> 208	0.23405					
204 -> 211	0.17821					
205 -> 211	0.57868					
Excited State 25:	Singlet-A	4.1139 eV	301.38 nm	f=0.0590	<S**2>=0.000	
200 -> 207	0.23261					
201 -> 207	-0.10239					
201 -> 208	0.55929					
203 -> 209	0.13061					
205 -> 211	-0.16083					
Excited State 26:	Singlet-A	4.1202 eV	300.92 nm	f=0.0524	<S**2>=0.000	
199 -> 207	-0.12675					
200 -> 207	0.38946					
200 -> 208	-0.17556					
201 -> 208	-0.22909					
202 -> 207	-0.15744					
203 -> 209	0.36235					
203 -> 210	0.11251					
204 -> 210	-0.11722					
205 -> 211	0.15642					
Excited State 27:	Singlet-A	4.1972 eV	295.40 nm	f=0.0337	<S**2>=0.000	
199 -> 207	-0.17532					
199 -> 208	-0.26014					
200 -> 207	-0.29694					
202 -> 207	0.15382					
203 -> 209	0.42743					
203 -> 210	-0.24529					
Excited State 28:	Singlet-A	4.2166 eV	294.04 nm	f=0.0339	<S**2>=0.000	
194 -> 206	0.14925					
199 -> 207	-0.31820					
200 -> 207	0.15733					
200 -> 208	0.41409					
202 -> 207	-0.14708					
203 -> 209	-0.12118					
203 -> 210	-0.26170					
Excited State 29:	Singlet-A	4.2188 eV	293.89 nm	f=0.0023	<S**2>=0.000	
190 -> 206	-0.26677					
192 -> 206	0.14228					
194 -> 206	0.42218					
195 -> 206	0.18937					
199 -> 207	0.11557					
200 -> 208	-0.10029					
204 -> 211	0.17923					
204 -> 212	-0.15480					
205 -> 211	-0.17317					
205 -> 212	-0.15536					
Excited State 30:	Singlet-A	4.2353 eV	292.74 nm	f=0.0021	<S**2>=0.000	
199 -> 207	0.41562					
199 -> 208	-0.26526					
200 -> 207	0.18812					

200 -> 208	0.32584					
202 -> 208	-0.20802					
203 -> 209	0.15098					
Excited State 31:	Singlet-A	4.2616 eV	290.93 nm	f=0.0278	<S**2>=0.000	
190 -> 206	0.12960					
194 -> 206	-0.17071					
204 -> 211	0.61169					
205 -> 211	-0.14075					
Excited State 32:	Singlet-A	4.2928 eV	288.82 nm	f=0.0224	<S**2>=0.000	
190 -> 206	-0.27058					
191 -> 206	0.10196					
194 -> 206	-0.22581					
195 -> 206	0.43959					
197 -> 206	-0.18405					
204 -> 212	0.13177					
205 -> 212	0.24507					
Excited State 33:	Singlet-A	4.3329 eV	286.15 nm	f=0.0057	<S**2>=0.000	
190 -> 206	0.24696					
191 -> 206	-0.19711					
192 -> 206	-0.15120					
193 -> 206	0.21904					
195 -> 206	0.41517					
199 -> 208	-0.19582					
205 -> 212	-0.22775					
Excited State 34:	Singlet-A	4.3399 eV	285.68 nm	f=0.0398	<S**2>=0.000	
190 -> 206	0.11565					
191 -> 206	-0.10528					
195 -> 206	0.12968					
199 -> 208	0.45680					
200 -> 208	0.21081					
202 -> 209	-0.20078					
203 -> 209	0.27171					
205 -> 212	-0.12509					
Excited State 35:	Singlet-A	4.3707 eV	283.67 nm	f=0.1905	<S**2>=0.000	
198 -> 207	0.13144					
199 -> 207	-0.24467					
200 -> 207	-0.12752					
200 -> 208	0.16822					
201 -> 209	-0.11520					
202 -> 208	-0.12546					
202 -> 210	-0.10979					
203 -> 210	0.53798					
Excited State 36:	Singlet-A	4.4044 eV	281.50 nm	f=0.0289	<S**2>=0.000	
190 -> 206	0.15503					
191 -> 206	-0.10779					
194 -> 206	0.18982					
204 -> 212	-0.37002					
205 -> 212	0.45618					
205 -> 213	0.10925					
Excited State 37:	Singlet-A	4.4336 eV	279.64 nm	f=0.0122	<S**2>=0.000	
198 -> 207	0.55717					
199 -> 208	0.13373					
202 -> 209	0.30880					
203 -> 210	-0.10510					
Excited State 38:	Singlet-A	4.4485 eV	278.71 nm	f=0.0028	<S**2>=0.000	
190 -> 206	-0.17334					
191 -> 206	0.17049					
193 -> 206	0.60996					
194 -> 206	-0.13640					
203 -> 211	-0.10347					
Excited State 39:	Singlet-A	4.4961 eV	275.76 nm	f=0.0021	<S**2>=0.000	
198 -> 207	-0.30957					
198 -> 208	0.13866					
199 -> 209	-0.12824					
200 -> 209	0.24982					
202 -> 209	0.50043					
Excited State 40:	Singlet-A	4.5268 eV	273.89 nm	f=0.0171	<S**2>=0.000	
198 -> 207	0.11074					
198 -> 208	0.62663					
201 -> 209	-0.16734					

202 -> 210	-0.12783					
Excited State 41:	Singlet-A	4.5632 eV	271.70 nm	f=0.1796	<S**2>=0.000	
194 -> 206	-0.17903					
201 -> 209	0.46012					
203 -> 211	0.16264					
204 -> 212	-0.31838					
205 -> 212	-0.10803					
Excited State 42:	Singlet-A	4.6030 eV	269.36 nm	f=0.1565	<S**2>=0.000	
194 -> 206	-0.20323					
200 -> 210	0.15412					
201 -> 209	-0.31414					
201 -> 212	-0.11136					
202 -> 210	0.37612					
203 -> 211	0.20169					
204 -> 212	-0.26652					
Excited State 43:	Singlet-A	4.6116 eV	268.85 nm	f=0.0636	<S**2>=0.000	
198 -> 208	-0.17097					
200 -> 210	-0.12042					
201 -> 209	-0.13559					
202 -> 210	-0.33759					
203 -> 211	0.49614					
Excited State 44:	Singlet-A	4.6223 eV	268.23 nm	f=0.2699	<S**2>=0.000	
193 -> 206	0.12730					
194 -> 206	0.14328					
200 -> 210	0.10466					
201 -> 209	0.22243					
201 -> 210	0.18088					
202 -> 210	0.31111					
203 -> 211	0.32574					
204 -> 212	0.22088					
Excited State 45:	Singlet-A	4.6596 eV	266.09 nm	f=0.0450	<S**2>=0.000	
191 -> 206	0.20807					
201 -> 210	-0.17993					
201 -> 211	-0.13641					
203 -> 211	0.13466					
204 -> 212	0.13692					
204 -> 213	0.12165					
205 -> 213	0.41632					
205 -> 216	0.16496					
205 -> 220	0.15698					
205 -> 222	-0.10729					
Excited State 46:	Singlet-A	4.6961 eV	264.01 nm	f=0.0617	<S**2>=0.000	
191 -> 206	0.17206					
197 -> 208	-0.13514					
199 -> 208	0.11488					
199 -> 209	0.11132					
200 -> 209	-0.30629					
201 -> 210	0.43496					
201 -> 211	-0.12022					
202 -> 209	0.12566					
205 -> 213	0.10171					
Excited State 47:	Singlet-A	4.7052 eV	263.50 nm	f=0.0138	<S**2>=0.000	
199 -> 209	-0.13880					
200 -> 209	0.41838					
201 -> 210	0.42281					
202 -> 209	-0.16673					
202 -> 210	-0.10953					
205 -> 213	0.11743					
Excited State 48:	Singlet-A	4.7175 eV	262.82 nm	f=0.0213	<S**2>=0.000	
191 -> 206	-0.26479					
192 -> 206	0.37265					
200 -> 209	-0.21514					
201 -> 211	0.23211					
204 -> 213	-0.11990					
205 -> 213	0.14152					
205 -> 214	0.10820					
205 -> 216	0.18718					
205 -> 220	0.10362					
205 -> 224	-0.11908					
Excited State 49:	Singlet-A	4.7521 eV	260.90 nm	f=0.0014	<S**2>=0.000	
190 -> 206	0.28919					

191 -> 206	0.14680					
192 -> 206	0.47265					
205 -> 214	-0.12961					
205 -> 216	-0.19320					
205 -> 224	0.12916					
Excited State 50:	Singlet-A	4.7711 eV	259.86 nm	f=0.0088	<S**2>=0.000	
197 -> 207	-0.34251					
197 -> 208	-0.12158					
199 -> 209	0.46705					
199 -> 210	-0.13027					
200 -> 210	0.21154					
205 -> 214	-0.13087					
205 -> 216	0.10466					
Excited State 51:	Singlet-A	4.8019 eV	258.20 nm	f=0.1012	<S**2>=0.000	
190 -> 206	-0.11859					
191 -> 206	-0.11712					
197 -> 208	0.10021					
200 -> 209	-0.11332					
200 -> 210	0.22900					
201 -> 211	0.12818					
203 -> 212	0.27710					
205 -> 213	0.31271					
205 -> 214	-0.20638					
205 -> 216	-0.20159					
205 -> 224	0.10945					
Excited State 52:	Singlet-A	4.8061 eV	257.97 nm	f=0.0069	<S**2>=0.000	
190 -> 206	0.11925					
191 -> 206	0.14028					
197 -> 207	-0.25334					
197 -> 208	-0.12918					
199 -> 209	-0.31854					
200 -> 209	-0.14412					
200 -> 210	0.14224					
203 -> 212	0.35230					
205 -> 213	-0.16933					
Excited State 53:	Singlet-A	4.8105 eV	257.74 nm	f=0.0336	<S**2>=0.000	
195 -> 207	-0.11003					
197 -> 207	0.20693					
199 -> 209	0.25304					
200 -> 209	0.16872					
200 -> 210	-0.25036					
203 -> 212	0.43996					
Excited State 54:	Singlet-A	4.8297 eV	256.71 nm	f=0.0831	<S**2>=0.000	
193 -> 207	-0.15809					
193 -> 208	-0.10807					
195 -> 207	-0.14305					
195 -> 208	-0.13071					
197 -> 207	0.32521					
197 -> 208	0.13891					
200 -> 210	0.33226					
202 -> 210	-0.17914					
204 -> 214	0.10269					
205 -> 213	-0.17129					
205 -> 214	-0.11207					
205 -> 216	0.12610					
Excited State 55:	Singlet-A	4.8536 eV	255.45 nm	f=0.0046	<S**2>=0.000	
191 -> 206	-0.11579					
200 -> 211	0.16747					
202 -> 211	0.34379					
204 -> 213	0.44879					
204 -> 216	0.11570					
204 -> 220	0.11053					
Excited State 56:	Singlet-A	4.8615 eV	255.03 nm	f=0.0538	<S**2>=0.000	
191 -> 206	0.10042					
193 -> 207	-0.11876					
195 -> 208	-0.11683					
197 -> 207	-0.18359					
197 -> 208	0.25262					
199 -> 210	0.15489					
200 -> 210	0.14150					
205 -> 214	0.44036					
205 -> 215	-0.18018					

Excited State 57:	Singlet-A	4.8810 eV	254.01 nm	f=0.0095	<S**2>=0.000
193 -> 207	0.23336				
193 -> 208	0.15767				
194 -> 207	-0.16410				
195 -> 207	0.26015				
195 -> 208	0.12563				
197 -> 207	0.16262				
197 -> 208	0.10129				
199 -> 210	0.26827				
200 -> 210	0.16074				
202 -> 211	0.23509				
204 -> 213	-0.14116				
205 -> 215	-0.14383				
Excited State 58:	Singlet-A	4.8899 eV	253.55 nm	f=0.0117	<S**2>=0.000
191 -> 206	0.10560				
193 -> 207	-0.17570				
193 -> 208	-0.11206				
194 -> 207	0.10804				
195 -> 207	-0.14867				
195 -> 208	-0.10426				
197 -> 207	-0.14532				
200 -> 210	-0.13122				
200 -> 211	0.13716				
202 -> 211	0.38472				
204 -> 213	-0.23230				
204 -> 216	-0.11489				
205 -> 214	-0.14028				
Excited State 59:	Singlet-A	4.8972 eV	253.17 nm	f=0.0837	<S**2>=0.000
197 -> 207	0.18671				
197 -> 208	-0.29445				
199 -> 210	-0.26452				
200 -> 210	0.13046				
201 -> 211	0.11761				
202 -> 210	-0.10471				
202 -> 211	0.17557				
204 -> 216	-0.11838				
205 -> 214	0.30500				
205 -> 215	0.12084				
205 -> 216	-0.10477				
Excited State 60:	Singlet-A	4.9190 eV	252.05 nm	f=0.0190	<S**2>=0.000
199 -> 210	0.38980				
200 -> 210	0.15064				
201 -> 211	0.15400				
204 -> 215	0.18653				
205 -> 215	0.40922				
Excited State 61:	Singlet-A	4.9320 eV	251.39 nm	f=0.0439	<S**2>=0.000
190 -> 206	0.12566				
191 -> 206	0.26231				
197 -> 208	-0.13808				
199 -> 211	0.11667				
201 -> 211	0.46048				
202 -> 211	-0.13632				
204 -> 213	0.14566				
205 -> 214	-0.13013				
205 -> 215	-0.18799				
Excited State 62:	Singlet-A	4.9370 eV	251.13 nm	f=0.0044	<S**2>=0.000
191 -> 206	0.10904				
193 -> 207	0.17517				
197 -> 208	0.40069				
199 -> 210	-0.27332				
200 -> 210	-0.10613				
201 -> 211	0.20326				
205 -> 215	0.24952				
Excited State 63:	Singlet-A	4.9834 eV	248.79 nm	f=0.0194	<S**2>=0.000
198 -> 209	0.14379				
204 -> 213	-0.26469				
204 -> 214	0.26210				
204 -> 216	0.33677				
204 -> 220	0.13094				
204 -> 222	-0.12743				
204 -> 224	-0.15929				
205 -> 216	-0.22119				
Excited State 64:	Singlet-A	5.0134 eV	247.31 nm	f=0.0360	<S**2>=0.000

195 -> 208	0.10482					
198 -> 209	0.44647					
200 -> 212	0.11565					
201 -> 212	0.12475					
202 -> 212	0.16188					
203 -> 213	0.13799					
203 -> 216	0.11942					
203 -> 224	-0.10196					
204 -> 215	0.25810					
Excited State 65:	Singlet-A	5.0236 eV	246.80 nm	f=0.1012	<S**2>=0.000	
193 -> 208	-0.20777					
194 -> 208	0.12438					
195 -> 207	0.15612					
195 -> 208	-0.19689					
198 -> 209	0.12883					
204 -> 214	0.44485					
204 -> 216	-0.18612					
Excited State 66:	Singlet-A	5.0274 eV	246.62 nm	f=0.0172	<S**2>=0.000	
195 -> 207	0.11277					
195 -> 208	-0.13411					
198 -> 209	-0.16223					
200 -> 212	-0.10446					
202 -> 212	-0.18113					
203 -> 213	0.30846					
203 -> 216	0.23449					
203 -> 220	0.18475					
203 -> 222	-0.18055					
203 -> 224	-0.20136					
204 -> 214	0.11608					
Excited State 67:	Singlet-A	5.0351 eV	246.24 nm	f=0.0167	<S**2>=0.000	
193 -> 207	-0.13007					
193 -> 208	0.20811					
194 -> 207	0.10939					
194 -> 208	-0.16244					
195 -> 207	-0.20190					
195 -> 208	0.28820					
198 -> 209	-0.11098					
200 -> 212	-0.13302					
202 -> 212	-0.24416					
204 -> 214	0.31302					
204 -> 216	-0.11106					
Excited State 68:	Singlet-A	5.0414 eV	245.93 nm	f=0.0915	<S**2>=0.000	
198 -> 209	0.39731					
198 -> 212	0.11496					
200 -> 212	-0.22425					
201 -> 212	-0.17342					
202 -> 212	-0.37470					
204 -> 214	-0.17589					
Excited State 69:	Singlet-A	5.0893 eV	243.62 nm	f=0.0081	<S**2>=0.000	
198 -> 211	-0.12951					
199 -> 211	-0.39384					
200 -> 211	0.44042					
202 -> 211	-0.27865					
Excited State 70:	Singlet-A	5.0976 eV	243.22 nm	f=0.0674	<S**2>=0.000	
193 -> 207	-0.29678					
195 -> 207	0.25674					
196 -> 207	-0.24145					
200 -> 211	-0.10088					
203 -> 213	-0.10569					
204 -> 215	0.36152					
Excited State 71:	Singlet-A	5.1279 eV	241.78 nm	f=0.0159	<S**2>=0.000	
192 -> 207	-0.12094					
195 -> 208	-0.11429					
196 -> 207	0.19154					
196 -> 208	0.10130					
198 -> 210	0.49742					
203 -> 216	-0.11929					
204 -> 215	0.24270					
Excited State 72:	Singlet-A	5.1473 eV	240.87 nm	f=0.0061	<S**2>=0.000	
193 -> 207	-0.13623					
196 -> 207	-0.23328					
196 -> 208	-0.10802					

198 -> 210	0.34572				
201 -> 212	0.19207				
204 -> 215	-0.24828				
204 -> 216	0.12505				
205 -> 216	0.13108				
205 -> 217	-0.26529				
Excited State 73:	Singlet-A	5.1484 eV	240.82 nm	f=0.0750	<S**2>=0.000
196 -> 207	0.25010				
196 -> 208	0.10470				
198 -> 210	-0.17253				
199 -> 211	-0.21382				
200 -> 211	-0.13079				
201 -> 211	0.11193				
201 -> 212	0.33531				
202 -> 212	-0.21958				
205 -> 215	-0.10783				
205 -> 217	-0.24862				
Excited State 74:	Singlet-A	5.1674 eV	239.94 nm	f=0.0156	<S**2>=0.000
188 -> 206	-0.11898				
189 -> 206	0.23605				
196 -> 207	0.10788				
198 -> 210	-0.11778				
199 -> 211	0.38101				
200 -> 211	0.32513				
201 -> 211	-0.17206				
201 -> 212	0.16010				
205 -> 218	0.19718				
Excited State 75:	Singlet-A	5.1743 eV	239.62 nm	f=0.0365	<S**2>=0.000
188 -> 206	0.10532				
189 -> 206	-0.21169				
193 -> 207	-0.20276				
193 -> 208	0.23077				
195 -> 207	0.14825				
195 -> 208	-0.14151				
196 -> 207	0.13444				
196 -> 208	0.21153				
201 -> 212	-0.14121				
204 -> 216	0.10354				
204 -> 218	0.12076				
205 -> 216	0.24903				
205 -> 217	-0.10659				
205 -> 220	-0.16551				
205 -> 224	0.12286				
Excited State 76:	Singlet-A	5.1804 eV	239.33 nm	f=0.0032	<S**2>=0.000
189 -> 206	-0.15900				
193 -> 207	-0.18685				
193 -> 208	-0.18075				
195 -> 207	0.21685				
195 -> 208	0.22429				
196 -> 207	0.39286				
203 -> 216	0.10143				
204 -> 215	-0.11566				
205 -> 216	-0.12057				
205 -> 218	-0.10039				
Excited State 77:	Singlet-A	5.1824 eV	239.24 nm	f=0.0047	<S**2>=0.000
189 -> 206	0.16861				
196 -> 207	0.10349				
199 -> 211	-0.20849				
200 -> 211	-0.18036				
205 -> 216	0.12015				
205 -> 217	0.35040				
205 -> 218	0.37134				
Excited State 78:	Singlet-A	5.1901 eV	238.89 nm	f=0.0112	<S**2>=0.000
188 -> 206	-0.21092				
189 -> 206	0.47567				
193 -> 207	-0.10711				
199 -> 211	-0.11688				
205 -> 218	-0.34857				
Excited State 79:	Singlet-A	5.1985 eV	238.50 nm	f=0.0515	<S**2>=0.000
189 -> 206	0.13037				
193 -> 208	0.15941				
201 -> 212	-0.18258				
202 -> 212	0.12711				

204 -> 216	-0.10067					
204 -> 218	-0.14836					
205 -> 216	-0.15353					
205 -> 217	-0.28417					
205 -> 218	0.30136					
205 -> 220	0.20129					
205 -> 222	-0.13358					
205 -> 224	-0.12162					
Excited State 80:	Singlet-A	5.2082 eV	238.06 nm	f=0.0372	<S**2>=0.000	
193 -> 207	-0.11998					
193 -> 208	0.31779					
195 -> 208	-0.18526					
196 -> 207	-0.10708					
196 -> 208	0.18583					
201 -> 212	0.20223					
202 -> 212	-0.10088					
204 -> 215	-0.14666					
205 -> 215	0.10005					
205 -> 216	-0.15584					
205 -> 217	0.29168					
205 -> 218	-0.13786					
205 -> 224	-0.10378					
Excited State 81:	Singlet-A	5.2344 eV	236.87 nm	f=0.0060	<S**2>=0.000	
190 -> 207	0.10984					
192 -> 207	0.30147					
192 -> 208	-0.14393					
196 -> 208	0.26596					
198 -> 210	0.13883					
203 -> 213	-0.26842					
203 -> 214	0.25692					
203 -> 215	0.20542					
203 -> 216	0.14646					
Excited State 82:	Singlet-A	5.2661 eV	235.44 nm	f=0.0012	<S**2>=0.000	
188 -> 206	0.63307					
189 -> 206	0.28847					
Excited State 83:	Singlet-A	5.2731 eV	235.13 nm	f=0.0191	<S**2>=0.000	
193 -> 208	-0.22305					
195 -> 208	0.20870					
196 -> 207	-0.19824					
196 -> 208	0.49010					
203 -> 213	0.20051					
Excited State 84:	Singlet-A	5.2781 eV	234.90 nm	f=0.0014	<S**2>=0.000	
192 -> 208	-0.11968					
196 -> 208	-0.11318					
203 -> 213	0.11075					
203 -> 214	0.51909					
203 -> 216	-0.15036					
205 -> 219	0.26802					
Excited State 85:	Singlet-A	5.2852 eV	234.59 nm	f=0.0163	<S**2>=0.000	
192 -> 207	0.18934					
203 -> 214	-0.22989					
203 -> 215	0.16000					
205 -> 219	0.52110					
205 -> 220	-0.16348					
Excited State 86:	Singlet-A	5.2975 eV	234.04 nm	f=0.0182	<S**2>=0.000	
192 -> 207	-0.12915					
198 -> 212	-0.10231					
199 -> 212	-0.25843					
200 -> 212	0.34592					
201 -> 212	-0.11048					
202 -> 212	-0.24800					
203 -> 215	-0.18826					
204 -> 217	0.26737					
204 -> 218	0.11177					
205 -> 219	0.12004					
Excited State 87:	Singlet-A	5.3024 eV	233.82 nm	f=0.0106	<S**2>=0.000	
192 -> 207	0.26106					
194 -> 207	0.41579					
194 -> 208	0.13834					
195 -> 207	0.17687					
197 -> 209	0.12016					
203 -> 213	0.19303					

203 -> 215	-0.12665					
203 -> 216	-0.13858					
205 -> 219	-0.17390					
Excited State 88:	Singlet-A	5.3139 eV	233.32 nm	f=0.0058	<S**2>=0.000	
190 -> 207	-0.11444					
192 -> 207	-0.28801					
194 -> 207	0.42764					
194 -> 208	0.14696					
195 -> 207	0.14328					
197 -> 209	-0.12972					
203 -> 213	-0.14079					
203 -> 215	0.15324					
203 -> 216	0.10997					
204 -> 217	-0.14426					
Excited State 89:	Singlet-A	5.3235 eV	232.90 nm	f=0.0400	<S**2>=0.000	
200 -> 212	-0.28331					
201 -> 212	0.22672					
202 -> 212	0.13362					
204 -> 217	0.47871					
204 -> 218	0.13578					
204 -> 219	-0.10470					
Excited State 90:	Singlet-A	5.3340 eV	232.44 nm	f=0.0183	<S**2>=0.000	
195 -> 209	-0.10087					
197 -> 209	0.61040					
203 -> 213	-0.10751					
203 -> 215	-0.10871					
204 -> 217	-0.12034					
Excited State 91:	Singlet-A	5.3451 eV	231.96 nm	f=0.0068	<S**2>=0.000	
190 -> 208	0.12295					
192 -> 208	0.32650					
201 -> 213	0.10145					
202 -> 214	-0.14781					
203 -> 214	0.12052					
204 -> 216	-0.26142					
204 -> 218	-0.12113					
204 -> 219	0.10737					
204 -> 220	0.20506					
204 -> 222	-0.13916					
204 -> 224	-0.10542					
205 -> 216	0.10964					
205 -> 218	0.10923					
205 -> 220	-0.17005					
205 -> 221	0.12830					
205 -> 222	0.11126					
Excited State 92:	Singlet-A	5.3501 eV	231.74 nm	f=0.0070	<S**2>=0.000	
192 -> 207	0.12458					
192 -> 208	0.17309					
197 -> 209	-0.13237					
203 -> 215	-0.19858					
204 -> 216	0.11795					
204 -> 217	-0.30175					
204 -> 218	0.36342					
205 -> 220	0.21918					
205 -> 221	0.10261					
Excited State 93:	Singlet-A	5.3612 eV	231.26 nm	f=0.0331	<S**2>=0.000	
190 -> 208	0.11257					
192 -> 208	0.30675					
197 -> 209	0.11454					
202 -> 214	-0.12337					
203 -> 213	0.11462					
203 -> 214	0.15020					
203 -> 215	0.30261					
204 -> 216	0.16850					
204 -> 220	-0.21330					
205 -> 219	-0.12264					
205 -> 221	0.11037					
Excited State 94:	Singlet-A	5.3689 eV	230.93 nm	f=0.0501	<S**2>=0.000	
203 -> 213	0.14159					
203 -> 215	0.25508					
204 -> 216	-0.19071					
204 -> 218	0.46416					
204 -> 220	0.15901					
205 -> 218	0.17393					

Excited State 95:	Singlet-A	5.4006 eV	229.57 nm	f=0.0128	<S**2>=0.000
193 -> 208	0.11343				
194 -> 207	-0.17959				
194 -> 208	0.48866				
195 -> 208	0.18879				
199 -> 212	-0.31046				
200 -> 212	-0.18288				
Excited State 96:	Singlet-A	5.4072 eV	229.29 nm	f=0.0376	<S**2>=0.000
194 -> 208	0.35101				
195 -> 208	0.12817				
199 -> 212	0.46927				
200 -> 212	0.25091				
Excited State 97:	Singlet-A	5.4236 eV	228.60 nm	f=0.0037	<S**2>=0.000
196 -> 211	0.12947				
197 -> 210	0.17471				
198 -> 211	-0.10056				
199 -> 212	0.10580				
202 -> 213	0.16989				
204 -> 219	0.52481				
204 -> 220	-0.16287				
205 -> 221	0.12026				
Excited State 98:	Singlet-A	5.4342 eV	228.15 nm	f=0.0258	<S**2>=0.000
196 -> 211	-0.26015				
197 -> 210	-0.10168				
198 -> 211	0.27371				
200 -> 213	-0.14681				
202 -> 213	-0.24921				
202 -> 214	0.10353				
204 -> 219	0.30188				
204 -> 220	-0.10267				
Excited State 99:	Singlet-A	5.4457 eV	227.67 nm	f=0.0053	<S**2>=0.000
192 -> 208	-0.10406				
195 -> 209	-0.12532				
196 -> 211	-0.17714				
197 -> 210	0.43810				
198 -> 211	0.23111				
202 -> 214	-0.11773				
204 -> 219	-0.14475				
205 -> 220	-0.14071				
205 -> 221	0.19459				
Excited State 100:	Singlet-A	5.4564 eV	227.23 nm	f=0.0212	<S**2>=0.000
192 -> 207	0.10949				
196 -> 211	-0.18807				
198 -> 211	0.29297				
202 -> 213	0.23404				
202 -> 215	-0.12409				
205 -> 220	0.26202				
205 -> 221	-0.19508				
205 -> 222	0.14107				
205 -> 223	-0.14636				
205 -> 224	0.13757				
Excited State 101:	Singlet-A	5.4716 eV	226.60 nm	f=0.0164	<S**2>=0.000
192 -> 208	0.22075				
197 -> 210	0.41934				
198 -> 211	-0.14890				
202 -> 213	-0.13508				
205 -> 220	0.15955				
205 -> 221	-0.31097				
Excited State 102:	Singlet-A	5.4958 eV	225.60 nm	f=0.0045	<S**2>=0.000
187 -> 206	0.11611				
193 -> 209	0.33068				
193 -> 210	-0.10470				
194 -> 209	-0.23034				
195 -> 209	0.39686				
201 -> 213	-0.10194				
202 -> 213	0.15266				
205 -> 220	-0.10838				
Excited State 103:	Singlet-A	5.5061 eV	225.18 nm	f=0.0034	<S**2>=0.000
187 -> 206	-0.25860				
196 -> 211	0.28091				
198 -> 211	0.32622				

201 -> 213	0.26875				
205 -> 221	-0.10388				
Excited State 104:	Singlet-A	5.5100 eV	225.02 nm	f=0.0052	<S**2>=0.000
187 -> 206	0.18391				
192 -> 208	0.19690				
193 -> 209	-0.13778				
194 -> 209	0.10571				
195 -> 209	-0.20065				
197 -> 211	0.10373				
198 -> 211	0.12012				
201 -> 213	-0.19570				
202 -> 213	0.22396				
202 -> 214	0.17422				
204 -> 221	0.11807				
205 -> 220	-0.15909				
205 -> 221	-0.17830				
205 -> 222	-0.18316				
Excited State 105:	Singlet-A	5.5309 eV	224.17 nm	f=0.0200	<S**2>=0.000
187 -> 206	0.27663				
196 -> 209	-0.11342				
196 -> 211	0.31033				
198 -> 211	0.23700				
201 -> 213	-0.25125				
202 -> 214	-0.16388				
205 -> 220	0.10507				
205 -> 222	0.12819				
Excited State 106:	Singlet-A	5.5425 eV	223.70 nm	f=0.0105	<S**2>=0.000
192 -> 207	-0.13138				
195 -> 209	0.12165				
195 -> 210	0.10508				
196 -> 211	-0.12114				
197 -> 211	0.30672				
199 -> 213	-0.11117				
200 -> 213	0.12740				
201 -> 214	0.13577				
202 -> 215	0.18246				
202 -> 216	0.11670				
204 -> 220	0.13582				
204 -> 223	-0.16281				
205 -> 223	0.26190				
Excited State 107:	Singlet-A	5.5608 eV	222.96 nm	f=0.0370	<S**2>=0.000
187 -> 206	-0.16898				
197 -> 211	0.40783				
198 -> 211	0.11782				
200 -> 213	-0.15109				
200 -> 214	0.15874				
201 -> 213	-0.14352				
202 -> 213	-0.10222				
205 -> 221	0.13834				
205 -> 223	-0.23312				
Excited State 108:	Singlet-A	5.5781 eV	222.27 nm	f=0.0076	<S**2>=0.000
187 -> 206	0.23996				
197 -> 211	0.26408				
200 -> 214	-0.15364				
201 -> 213	0.19023				
202 -> 213	-0.24662				
202 -> 214	-0.12278				
202 -> 215	-0.14567				
204 -> 220	-0.22645				
204 -> 221	0.18853				
Excited State 109:	Singlet-A	5.5876 eV	221.89 nm	f=0.0208	<S**2>=0.000
191 -> 207	0.30253				
202 -> 214	0.12175				
202 -> 215	0.18247				
202 -> 216	0.10126				
203 -> 217	0.12797				
204 -> 220	-0.25103				
204 -> 221	0.20940				
204 -> 222	-0.12315				
204 -> 224	-0.14186				
205 -> 221	0.11846				
205 -> 222	0.12277				
Excited State 110:	Singlet-A	5.5934 eV	221.66 nm	f=0.0113	<S**2>=0.000

187 -> 206	0.27781				
193 -> 209	0.14018				
195 -> 210	-0.15808				
196 -> 209	0.10493				
197 -> 211	0.14998				
200 -> 215	0.16021				
201 -> 213	0.25978				
202 -> 215	0.22912				
204 -> 221	-0.21625				
205 -> 221	-0.15220				
Excited State 111:	Singlet-A	5.5986 eV	221.46 nm	f=0.0094	<S**2>=0.000
190 -> 207	0.16335				
191 -> 207	0.56668				
192 -> 207	-0.10117				
202 -> 215	-0.13348				
203 -> 217	-0.10087				
204 -> 220	0.10774				
Excited State 112:	Singlet-A	5.6074 eV	221.11 nm	f=0.0036	<S**2>=0.000
187 -> 206	-0.12914				
188 -> 208	-0.11822				
189 -> 207	0.16046				
193 -> 209	0.17067				
193 -> 210	-0.14128				
194 -> 210	0.15449				
195 -> 209	-0.14731				
195 -> 210	-0.28627				
201 -> 213	-0.11638				
202 -> 216	0.10081				
204 -> 220	-0.13475				
204 -> 222	-0.11470				
205 -> 223	0.31608				
Excited State 113:	Singlet-A	5.6305 eV	220.20 nm	f=0.0495	<S**2>=0.000
195 -> 210	-0.11763				
198 -> 212	-0.10260				
200 -> 214	-0.11714				
201 -> 214	-0.12884				
201 -> 215	0.17055				
203 -> 216	-0.16445				
203 -> 217	0.34121				
204 -> 220	0.17977				
204 -> 221	0.19461				
204 -> 222	0.17211				
204 -> 224	0.13786				
205 -> 221	0.11768				
Excited State 114:	Singlet-A	5.6359 eV	219.99 nm	f=0.0667	<S**2>=0.000
201 -> 214	-0.10346				
201 -> 215	0.10375				
202 -> 214	-0.12789				
202 -> 215	0.17154				
203 -> 216	0.35803				
203 -> 217	-0.23456				
203 -> 218	0.10981				
203 -> 220	-0.18537				
203 -> 222	0.12812				
203 -> 224	0.12332				
204 -> 221	0.19855				
205 -> 222	-0.10822				
Excited State 115:	Singlet-A	5.6388 eV	219.88 nm	f=0.0261	<S**2>=0.000
187 -> 206	-0.14658				
193 -> 209	0.23609				
193 -> 210	0.10170				
195 -> 210	0.16046				
196 -> 209	0.20497				
200 -> 214	-0.10938				
201 -> 213	-0.17234				
202 -> 214	-0.18150				
202 -> 215	0.12512				
203 -> 217	0.12005				
204 -> 220	-0.10357				
204 -> 222	-0.16521				
205 -> 222	-0.16909				
205 -> 223	-0.13750				
Excited State 116:	Singlet-A	5.6593 eV	219.08 nm	f=0.0164	<S**2>=0.000
191 -> 208	-0.11043				

193 -> 209	0.16577				
195 -> 210	0.18734				
196 -> 209	0.22198				
198 -> 212	0.21461				
200 -> 213	-0.10272				
201 -> 213	0.13466				
201 -> 216	-0.10546				
202 -> 214	0.11729				
202 -> 215	-0.11060				
203 -> 216	0.13152				
203 -> 217	0.26224				
203 -> 218	0.16496				
203 -> 220	-0.11890				
205 -> 223	0.13392				
Excited State 117:	Singlet-A	5.6654 eV	218.85 nm	f=0.0020	<S**2>=0.000
191 -> 208	0.11677				
202 -> 216	-0.33592				
202 -> 218	0.12279				
203 -> 216	-0.11487				
203 -> 217	-0.14762				
203 -> 218	0.43440				
205 -> 223	0.11021				
Excited State 118:	Singlet-A	5.6670 eV	218.78 nm	f=0.0255	<S**2>=0.000
191 -> 208	0.11797				
196 -> 209	0.29645				
196 -> 212	-0.10078				
198 -> 212	0.28267				
203 -> 216	-0.12943				
203 -> 217	-0.23446				
203 -> 218	-0.24803				
204 -> 221	0.14515				
204 -> 222	0.16279				
Excited State 119:	Singlet-A	5.6727 eV	218.56 nm	f=0.0024	<S**2>=0.000
190 -> 208	0.16353				
191 -> 208	0.61278				
192 -> 208	-0.10872				
203 -> 217	0.11778				
Excited State 120:	Singlet-A	5.6759 eV	218.44 nm	f=0.0215	<S**2>=0.000
188 -> 208	0.10042				
189 -> 207	-0.17911				
190 -> 207	-0.15459				
192 -> 209	0.11801				
193 -> 209	0.14908				
193 -> 210	-0.19236				
195 -> 209	-0.15521				
200 -> 215	-0.10829				
201 -> 214	0.19650				
201 -> 215	-0.16155				
202 -> 214	0.11346				
203 -> 218	0.14080				
204 -> 221	0.14413				
204 -> 223	-0.15658				
205 -> 221	0.10980				
205 -> 223	-0.18109				
Excited State 121:	Singlet-A	5.6790 eV	218.32 nm	f=0.0006	<S**2>=0.000
190 -> 207	-0.36134				
190 -> 208	-0.13560				
191 -> 207	0.13407				
192 -> 207	0.10807				
193 -> 209	-0.15335				
195 -> 210	-0.10197				
198 -> 212	0.41038				
200 -> 212	0.10338				
203 -> 217	0.11205				
205 -> 222	-0.10011				
Excited State 122:	Singlet-A	5.6852 eV	218.08 nm	f=0.0059	<S**2>=0.000
190 -> 207	0.41212				
190 -> 208	0.13501				
191 -> 207	-0.12871				
192 -> 207	-0.14187				
193 -> 209	-0.20683				
195 -> 209	0.12574				
195 -> 210	-0.16135				
198 -> 212	0.20432				

203 -> 217	0.10828				
205 -> 222	-0.12500				
205 -> 223	-0.13920				
Excited State 123: Singlet-A 5.6940 eV 217.75 nm f=0.0219 <S**2>=0.000					
190 -> 207	-0.14330				
193 -> 209	-0.13895				
195 -> 209	0.11189				
196 -> 209	0.32044				
196 -> 212	-0.11028				
198 -> 212	-0.13618				
199 -> 213	-0.18167				
200 -> 213	0.20590				
201 -> 214	-0.23259				
202 -> 213	-0.18271				
202 -> 214	0.10578				
205 -> 222	0.11691				
Excited State 124: Singlet-A 5.7101 eV 217.13 nm f=0.0038 <S**2>=0.000					
193 -> 209	-0.12609				
193 -> 210	0.10002				
195 -> 209	0.11988				
196 -> 209	0.17795				
199 -> 213	0.11386				
200 -> 216	0.11160				
202 -> 215	-0.16097				
202 -> 216	0.33640				
203 -> 218	0.26808				
203 -> 220	0.10423				
205 -> 222	-0.13665				
Excited State 125: Singlet-A 5.7107 eV 217.11 nm f=0.0310 <S**2>=0.000					
186 -> 206	0.12017				
193 -> 209	-0.14374				
195 -> 209	0.11971				
196 -> 209	0.24429				
198 -> 212	-0.17648				
201 -> 214	0.34608				
202 -> 216	-0.21196				
203 -> 218	-0.20624				
205 -> 224	0.10148				
Excited State 126: Singlet-A 5.7264 eV 216.51 nm f=0.0789 <S**2>=0.000					
199 -> 214	-0.22514				
199 -> 215	0.12087				
200 -> 214	0.17265				
201 -> 215	0.21096				
202 -> 215	-0.10833				
203 -> 219	0.10784				
204 -> 222	-0.21420				
205 -> 222	-0.18794				
205 -> 223	0.10203				
205 -> 224	0.26452				
Excited State 127: Singlet-A 5.7331 eV 216.26 nm f=0.0051 <S**2>=0.000					
188 -> 207	-0.12770				
189 -> 208	0.11431				
193 -> 210	-0.17434				
199 -> 213	0.14326				
201 -> 214	0.21960				
201 -> 215	0.35446				
201 -> 216	0.10180				
202 -> 214	-0.12967				
202 -> 215	-0.13370				
203 -> 217	0.12116				
203 -> 219	0.10805				
204 -> 221	-0.15299				
Excited State 128: Singlet-A 5.7346 eV 216.20 nm f=0.0120 <S**2>=0.000					
186 -> 206	-0.14594				
189 -> 207	0.14525				
193 -> 210	0.23438				
199 -> 213	-0.11799				
200 -> 213	0.22226				
200 -> 214	0.18354				
200 -> 215	0.11821				
201 -> 214	0.18430				
201 -> 216	0.13492				
202 -> 213	-0.10192				
202 -> 216	-0.10773				

202 -> 217	-0.10710				
203 -> 217	0.11462				
Excited State 129:	Singlet-A	5.7460 eV	215.78 nm	f=0.0069	<S**2>=0.000
186 -> 206	0.29094				
199 -> 214	0.10986				
201 -> 215	-0.22802				
201 -> 216	0.12931				
203 -> 219	0.43951				
204 -> 223	0.10536				
Excited State 130:	Singlet-A	5.7671 eV	214.99 nm	f=0.0037	<S**2>=0.000
185 -> 206	0.10904				
186 -> 206	0.44836				
190 -> 208	-0.10525				
193 -> 210	0.14007				
196 -> 210	0.10851				
199 -> 213	-0.10042				
199 -> 214	-0.10529				
201 -> 215	0.15928				
204 -> 221	0.11882				
205 -> 222	0.12430				
205 -> 224	-0.19766				
Excited State 131:	Singlet-A	5.7760 eV	214.65 nm	f=0.0062	<S**2>=0.000
186 -> 206	0.14079				
190 -> 207	-0.16785				
190 -> 208	0.52785				
191 -> 208	-0.17723				
192 -> 208	-0.18650				
200 -> 214	0.11241				
Excited State 132:	Singlet-A	5.7784 eV	214.56 nm	f=0.0281	<S**2>=0.000
186 -> 206	-0.17859				
190 -> 208	0.22143				
193 -> 210	0.25358				
195 -> 210	-0.16077				
196 -> 210	0.16993				
200 -> 213	-0.14451				
200 -> 214	-0.15043				
201 -> 215	0.10106				
203 -> 219	0.29877				
204 -> 223	-0.16890				
205 -> 223	-0.10960				
Excited State 133:	Singlet-A	5.7898 eV	214.14 nm	f=0.0064	<S**2>=0.000
193 -> 210	0.14576				
199 -> 213	0.30597				
200 -> 213	0.30713				
200 -> 214	0.14134				
201 -> 216	-0.25667				
203 -> 218	0.10297				
Excited State 134:	Singlet-A	5.7944 eV	213.97 nm	f=0.0054	<S**2>=0.000
186 -> 206	0.16396				
193 -> 210	0.12170				
200 -> 214	-0.18888				
201 -> 216	0.31301				
202 -> 214	0.14188				
203 -> 219	-0.27496				
204 -> 221	-0.20171				
204 -> 222	0.15511				
205 -> 221	0.11545				
205 -> 224	0.16867				
Excited State 135:	Singlet-A	5.8000 eV	213.77 nm	f=0.0134	<S**2>=0.000
186 -> 206	-0.12061				
194 -> 209	0.11528				
195 -> 209	0.11844				
199 -> 213	0.30810				
199 -> 214	-0.18378				
201 -> 214	-0.14526				
201 -> 215	-0.12130				
201 -> 216	0.26636				
204 -> 223	-0.21073				
Excited State 136:	Singlet-A	5.8102 eV	213.39 nm	f=0.0086	<S**2>=0.000
190 -> 211	0.12060				
194 -> 209	0.39211				
194 -> 211	-0.15456				

195 -> 209	0.14251					
196 -> 212	-0.13702					
200 -> 214	-0.15034					
200 -> 215	0.16042					
201 -> 216	-0.17723					
203 -> 219	0.11247					
Excited State 137:	Singlet-A	5.8162 eV	213.17 nm	f=0.0076	<S**2>=0.000	
189 -> 207	-0.18693					
192 -> 209	0.10097					
194 -> 209	0.19646					
196 -> 210	0.21302					
200 -> 214	0.11531					
200 -> 215	-0.21803					
200 -> 216	0.10968					
202 -> 217	0.13058					
204 -> 223	0.36446					
Excited State 138:	Singlet-A	5.8251 eV	212.85 nm	f=0.0035	<S**2>=0.000	
185 -> 206	0.57213					
186 -> 206	-0.10622					
194 -> 209	0.16419					
196 -> 210	-0.12778					
200 -> 215	-0.12330					
200 -> 216	0.10161					
Excited State 139:	Singlet-A	5.8273 eV	212.76 nm	f=0.0080	<S**2>=0.000	
185 -> 206	0.34415					
186 -> 206	-0.13102					
189 -> 207	-0.18276					
194 -> 209	-0.30192					
196 -> 210	0.20128					
200 -> 216	-0.11960					
203 -> 221	0.10568					
204 -> 222	0.11396					
204 -> 223	0.16102					
Excited State 140:	Singlet-A	5.8382 eV	212.37 nm	f=0.0015	<S**2>=0.000	
188 -> 207	-0.13923					
189 -> 208	0.10704					
193 -> 210	-0.18845					
195 -> 210	0.18857					
196 -> 210	0.51433					
196 -> 211	-0.10327					
204 -> 222	-0.11077					
204 -> 223	-0.12837					
Excited State 141:	Singlet-A	5.8523 eV	211.86 nm	f=0.0192	<S**2>=0.000	
190 -> 211	-0.15748					
194 -> 209	0.20056					
194 -> 211	0.19657					
196 -> 212	0.23608					
200 -> 214	-0.10032					
200 -> 215	0.11953					
200 -> 216	-0.12297					
201 -> 218	-0.11987					
202 -> 217	-0.10530					
204 -> 222	-0.15565					
204 -> 224	0.14101					
205 -> 224	-0.10140					
Excited State 142:	Singlet-A	5.8563 eV	211.71 nm	f=0.0154	<S**2>=0.000	
188 -> 207	0.20389					
189 -> 208	-0.13555					
190 -> 211	-0.12551					
193 -> 210	-0.15970					
195 -> 209	0.10587					
195 -> 210	0.12733					
196 -> 210	0.13658					
196 -> 212	0.17456					
199 -> 214	0.23236					
199 -> 215	0.10571					
199 -> 216	0.12564					
200 -> 215	0.12140					
202 -> 217	0.18221					
203 -> 223	0.10153					
Excited State 143:	Singlet-A	5.8608 eV	211.55 nm	f=0.0193	<S**2>=0.000	
197 -> 212	-0.11147					
199 -> 213	0.12792					

199 -> 214	-0.14379					
199 -> 215	-0.11253					
199 -> 216	-0.17682					
200 -> 216	0.18885					
201 -> 216	-0.12713					
201 -> 217	0.10320					
202 -> 215	-0.13158					
202 -> 217	-0.13673					
202 -> 218	0.31438					
203 -> 220	-0.18592					
204 -> 224	-0.21281					
Excited State 144:	Singlet-A	5.8624 eV	211.49 nm	f=0.0253	<S**2>=0.000	
192 -> 209	0.11580					
194 -> 211	-0.16879					
195 -> 211	0.17107					
197 -> 212	0.26704					
200 -> 214	-0.15075					
200 -> 216	0.10841					
202 -> 214	0.10690					
202 -> 217	0.13701					
202 -> 218	0.23784					
204 -> 222	-0.16794					
204 -> 223	0.12548					
204 -> 224	0.16186					
Excited State 145:	Singlet-A	5.8726 eV	211.12 nm	f=0.0164	<S**2>=0.000	
178 -> 206	0.10309					
181 -> 206	-0.12149					
184 -> 206	0.45984					
195 -> 211	-0.20967					
196 -> 212	-0.13883					
200 -> 215	0.12277					
202 -> 217	0.16880					
204 -> 224	0.12509					
Excited State 146:	Singlet-A	5.8775 eV	210.95 nm	f=0.0160	<S**2>=0.000	
184 -> 206	0.39714					
189 -> 207	0.17776					
192 -> 209	0.21187					
194 -> 211	-0.10677					
195 -> 211	0.25948					
197 -> 212	0.11226					
200 -> 215	-0.15357					
Excited State 147:	Singlet-A	5.8816 eV	210.80 nm	f=0.0304	<S**2>=0.000	
184 -> 206	-0.10792					
189 -> 207	0.25529					
192 -> 209	0.25888					
193 -> 210	-0.11034					
194 -> 211	0.18758					
195 -> 210	0.11704					
195 -> 211	-0.25835					
197 -> 212	-0.13683					
199 -> 213	0.10371					
201 -> 218	-0.11849					
202 -> 217	-0.10390					
203 -> 221	-0.11164					
204 -> 223	0.11692					
Excited State 148:	Singlet-A	5.8912 eV	210.46 nm	f=0.0246	<S**2>=0.000	
184 -> 206	0.14692					
189 -> 207	-0.12141					
192 -> 209	-0.21824					
195 -> 211	-0.16743					
199 -> 214	0.26570					
199 -> 215	0.20507					
199 -> 216	-0.12984					
200 -> 214	0.10007					
200 -> 215	-0.18243					
200 -> 216	-0.10720					
201 -> 218	-0.17872					
202 -> 217	-0.13204					
202 -> 218	0.19955					
Excited State 149:	Singlet-A	5.9033 eV	210.03 nm	f=0.0167	<S**2>=0.000	
192 -> 209	0.12828					
199 -> 216	0.20757					
201 -> 217	-0.19533					
201 -> 218	0.24237					

202 -> 216	0.16122				
202 -> 217	-0.13591				
202 -> 218	0.39756				
Excited State 150:	Singlet-A	5.9090 eV	209.82 nm	f=0.0031	<S**2>=0.000
195 -> 211	0.31678				
196 -> 211	-0.14659				
196 -> 212	-0.31617				
197 -> 212	-0.30370				
201 -> 218	-0.17938				
202 -> 217	0.16512				
Excited State 151:	Singlet-A	5.9167 eV	209.55 nm	f=0.0268	<S**2>=0.000
195 -> 211	-0.13326				
196 -> 212	0.10883				
199 -> 215	-0.14908				
200 -> 216	-0.21677				
200 -> 218	0.12477				
201 -> 218	-0.16495				
202 -> 217	0.39018				
202 -> 218	0.22434				
203 -> 220	0.16421				
204 -> 224	-0.11205				
Excited State 152:	Singlet-A	5.9335 eV	208.96 nm	f=0.0370	<S**2>=0.000
188 -> 207	-0.17401				
188 -> 208	0.21006				
189 -> 207	0.17914				
192 -> 209	0.15518				
199 -> 214	0.16079				
201 -> 217	0.14394				
203 -> 220	-0.24234				
203 -> 221	0.30114				
203 -> 224	-0.11226				
Excited State 153:	Singlet-A	5.9339 eV	208.94 nm	f=0.0145	<S**2>=0.000
188 -> 207	0.32884				
189 -> 208	0.16569				
199 -> 215	-0.27244				
200 -> 215	-0.11797				
201 -> 217	0.21869				
202 -> 217	-0.13017				
202 -> 219	-0.11838				
204 -> 222	-0.10199				
204 -> 224	0.12235				
Excited State 154:	Singlet-A	5.9438 eV	208.59 nm	f=0.0219	<S**2>=0.000
178 -> 206	0.11284				
181 -> 206	-0.13874				
188 -> 208	-0.20499				
189 -> 207	-0.12055				
194 -> 211	-0.10567				
199 -> 215	0.24283				
199 -> 216	0.12234				
201 -> 217	0.33662				
203 -> 221	-0.19614				
Excited State 155:	Singlet-A	5.9526 eV	208.28 nm	f=0.0202	<S**2>=0.000
188 -> 207	0.19856				
188 -> 208	-0.13118				
189 -> 207	-0.10852				
189 -> 208	0.42854				
197 -> 212	-0.10806				
201 -> 217	-0.18035				
203 -> 220	-0.21680				
203 -> 222	-0.15321				
203 -> 224	-0.11490				
Excited State 156:	Singlet-A	5.9545 eV	208.22 nm	f=0.0118	<S**2>=0.000
178 -> 206	-0.24909				
180 -> 206	0.10891				
181 -> 206	0.31869				
182 -> 206	-0.12210				
184 -> 206	0.18223				
189 -> 208	-0.11918				
191 -> 211	-0.13608				
195 -> 211	0.10297				
195 -> 212	0.10110				
196 -> 212	0.18672				
197 -> 212	-0.23709				

204 -> 224	0.10232					
Excited State 157:	Singlet-A	5.9582 eV	208.09 nm	f=0.0088	<S**2>=0.000	
178 -> 206	-0.18213					
181 -> 206	0.18271					
182 -> 206	-0.10815					
191 -> 211	0.13333					
193 -> 211	-0.16799					
194 -> 211	0.13509					
196 -> 212	-0.20408					
197 -> 212	0.20669					
201 -> 217	0.33093					
203 -> 220	-0.11057					
Excited State 158:	Singlet-A	5.9640 eV	207.89 nm	f=0.0219	<S**2>=0.000	
188 -> 207	0.15902					
188 -> 208	0.20338					
189 -> 207	0.11428					
189 -> 208	0.19850					
194 -> 210	0.35525					
195 -> 210	0.14315					
199 -> 215	0.20859					
201 -> 217	0.13288					
203 -> 220	0.12357					
203 -> 221	0.16133					
203 -> 222	0.13330					
Excited State 159:	Singlet-A	5.9655 eV	207.84 nm	f=0.0230	<S**2>=0.000	
188 -> 207	-0.10616					
188 -> 208	-0.19120					
189 -> 207	-0.12747					
189 -> 208	-0.16510					
192 -> 209	0.10551					
193 -> 210	0.10968					
194 -> 210	0.47700					
195 -> 210	0.18523					
199 -> 215	-0.12148					
203 -> 220	-0.11702					
Excited State 160:	Singlet-A	5.9775 eV	207.42 nm	f=0.0560	<S**2>=0.000	
189 -> 207	-0.12235					
192 -> 209	0.24483					
199 -> 214	0.24247					
200 -> 215	0.14024					
200 -> 216	0.18137					
202 -> 221	0.16102					
203 -> 220	0.13873					
203 -> 221	-0.22187					
204 -> 223	-0.10630					
Excited State 161:	Singlet-A	5.9979 eV	206.71 nm	f=0.0077	<S**2>=0.000	
199 -> 216	0.10651					
202 -> 219	0.62369					
Excited State 162:	Singlet-A	6.0093 eV	206.32 nm	f=0.0025	<S**2>=0.000	
188 -> 208	0.40155					
192 -> 209	-0.10164					
193 -> 211	-0.10082					
194 -> 210	0.10902					
201 -> 219	0.10048					
202 -> 221	0.11398					
203 -> 221	-0.36867					
203 -> 222	-0.17249					
Excited State 163:	Singlet-A	6.0191 eV	205.98 nm	f=0.0922	<S**2>=0.000	
182 -> 206	-0.18476					
193 -> 211	0.30660					
194 -> 211	0.25474					
197 -> 212	0.12738					
198 -> 213	-0.13574					
199 -> 216	0.10151					
200 -> 217	-0.10521					
201 -> 218	-0.15650					
201 -> 219	0.20184					
205 -> 225	-0.11121					
Excited State 164:	Singlet-A	6.0232 eV	205.85 nm	f=0.0030	<S**2>=0.000	
178 -> 206	-0.10827					
181 -> 206	0.14507					
182 -> 206	0.55357					

183 -> 206	-0.22886				
192 -> 210	-0.18032				
Excited State 165:	Singlet-A	6.0256 eV	205.76 nm	f=0.0445	<S**2>=0.000
193 -> 211	0.20162				
199 -> 217	-0.13561				
200 -> 216	-0.10266				
200 -> 217	0.10082				
200 -> 218	0.20246				
201 -> 218	0.21032				
201 -> 219	0.21060				
202 -> 216	-0.14279				
202 -> 219	-0.10248				
202 -> 220	0.29263				
Excited State 166:	Singlet-A	6.0353 eV	205.43 nm	f=0.0535	<S**2>=0.000
193 -> 211	-0.32529				
199 -> 216	0.11946				
200 -> 216	0.18727				
200 -> 218	0.16119				
201 -> 218	-0.15693				
201 -> 219	0.40527				
Excited State 167:	Singlet-A	6.0433 eV	205.16 nm	f=0.0108	<S**2>=0.000
182 -> 206	0.13580				
190 -> 210	0.12338				
190 -> 211	-0.11146				
192 -> 210	0.46374				
193 -> 211	0.16264				
194 -> 211	-0.11918				
201 -> 219	0.12853				
205 -> 225	-0.12358				
Excited State 168:	Singlet-A	6.0490 eV	204.97 nm	f=0.0147	<S**2>=0.000
192 -> 210	0.19428				
199 -> 216	0.27675				
200 -> 218	-0.10170				
201 -> 218	-0.20409				
201 -> 219	-0.11252				
202 -> 220	0.27987				
204 -> 225	-0.11142				
205 -> 225	0.23633				
205 -> 227	-0.11346				
Excited State 169:	Singlet-A	6.0521 eV	204.86 nm	f=0.0628	<S**2>=0.000
190 -> 210	0.10154				
190 -> 211	0.20011				
192 -> 210	0.17559				
192 -> 211	-0.12390				
194 -> 211	0.22394				
195 -> 211	0.14597				
195 -> 212	0.13228				
199 -> 216	-0.18383				
200 -> 216	-0.11729				
201 -> 218	0.19651				
201 -> 219	0.16146				
201 -> 220	-0.18089				
Excited State 170:	Singlet-A	6.0618 eV	204.53 nm	f=0.0029	<S**2>=0.000
194 -> 212	-0.11233				
199 -> 216	0.12902				
200 -> 217	-0.14887				
200 -> 218	0.33734				
201 -> 219	-0.26475				
201 -> 220	-0.29239				
201 -> 222	0.12070				
204 -> 224	-0.14855				
205 -> 225	-0.18341				
Excited State 171:	Singlet-A	6.0731 eV	204.15 nm	f=0.0079	<S**2>=0.000
191 -> 209	-0.29535				
194 -> 212	0.18387				
195 -> 212	0.42166				
200 -> 216	0.11295				
200 -> 217	0.14827				
200 -> 218	0.20652				
201 -> 219	-0.10452				
201 -> 220	0.10412				
Excited State 172:	Singlet-A	6.0800 eV	203.92 nm	f=0.0319	<S**2>=0.000

193 -> 211	-0.19046				
194 -> 211	0.11620				
194 -> 212	0.16001				
198 -> 213	-0.23552				
199 -> 215	0.10543				
199 -> 216	-0.16107				
199 -> 217	0.15031				
200 -> 217	-0.26535				
200 -> 218	0.18062				
201 -> 219	-0.11294				
201 -> 220	0.27532				
Excited State 173:	Singlet-A	6.0822 eV	203.85 nm	f=0.0514	<S**2>=0.000
193 -> 211	0.13897				
198 -> 213	0.13000				
200 -> 217	-0.24428				
200 -> 218	0.20872				
202 -> 220	-0.19546				
203 -> 223	0.11755				
204 -> 225	-0.10942				
205 -> 225	0.31851				
205 -> 227	-0.14774				
Excited State 174:	Singlet-A	6.0921 eV	203.52 nm	f=0.0184	<S**2>=0.000
178 -> 206	-0.10537				
190 -> 211	0.18357				
193 -> 211	-0.14297				
194 -> 212	-0.15084				
195 -> 211	0.10848				
195 -> 212	-0.26374				
198 -> 213	0.15378				
200 -> 217	0.31950				
200 -> 218	0.13439				
201 -> 219	-0.13943				
201 -> 220	0.16585				
Excited State 175:	Singlet-A	6.1073 eV	203.01 nm	f=0.0211	<S**2>=0.000
178 -> 206	-0.14692				
191 -> 209	-0.33064				
194 -> 211	-0.15171				
194 -> 212	-0.22535				
200 -> 217	-0.10142				
200 -> 218	-0.12442				
203 -> 222	0.13526				
203 -> 223	0.36532				
Excited State 176:	Singlet-A	6.1165 eV	202.71 nm	f=0.0019	<S**2>=0.000
178 -> 206	0.19164				
181 -> 206	0.11936				
183 -> 206	0.10813				
194 -> 212	0.29063				
195 -> 212	-0.14436				
200 -> 217	0.21346				
201 -> 220	-0.15850				
203 -> 222	0.11849				
203 -> 223	0.35538				
Excited State 177:	Singlet-A	6.1268 eV	202.36 nm	f=0.0134	<S**2>=0.000
191 -> 209	0.21022				
198 -> 213	0.33816				
200 -> 217	-0.21722				
201 -> 220	0.15048				
202 -> 220	0.18042				
202 -> 221	-0.16348				
202 -> 222	-0.11196				
203 -> 223	0.17924				
205 -> 225	-0.14282				
Excited State 178:	Singlet-A	6.1311 eV	202.22 nm	f=0.0085	<S**2>=0.000
190 -> 209	0.10165				
191 -> 209	0.39163				
195 -> 212	0.25437				
198 -> 213	-0.27984				
203 -> 223	0.22865				
Excited State 179:	Singlet-A	6.1509 eV	201.57 nm	f=0.0373	<S**2>=0.000
199 -> 217	0.54949				
199 -> 218	0.22931				
201 -> 219	0.10198				
202 -> 220	0.10415				

Excited State 180:	Singlet-A	6.1603 eV	201.26 nm	f=0.0010	<S**2>=0.000
182 -> 206	0.20402				
183 -> 206	0.46563				
190 -> 209	-0.11369				
193 -> 212	0.16869				
194 -> 212	-0.13751				
199 -> 217	0.16462				
199 -> 218	-0.23351				
Excited State 181:	Singlet-A	6.1648 eV	201.11 nm	f=0.0056	<S**2>=0.000
182 -> 206	0.13378				
183 -> 206	0.30050				
198 -> 216	0.11360				
199 -> 217	-0.12810				
199 -> 218	0.41752				
199 -> 219	0.11670				
200 -> 219	-0.18598				
Excited State 182:	Singlet-A	6.1747 eV	200.79 nm	f=0.0071	<S**2>=0.000
178 -> 206	-0.13210				
181 -> 206	-0.12783				
182 -> 206	0.11934				
183 -> 206	0.23633				
190 -> 209	0.36706				
190 -> 212	-0.12386				
191 -> 209	-0.11268				
192 -> 209	-0.11474				
193 -> 212	-0.26965				
198 -> 215	-0.12856				
202 -> 221	-0.14879				
Excited State 183:	Singlet-A	6.1819 eV	200.56 nm	f=0.0227	<S**2>=0.000
197 -> 213	-0.10456				
198 -> 214	-0.25177				
199 -> 218	0.26756				
199 -> 219	-0.12989				
200 -> 219	0.29745				
201 -> 220	0.12643				
202 -> 220	-0.11829				
203 -> 222	-0.22538				
203 -> 224	0.24934				
Excited State 184:	Singlet-A	6.1922 eV	200.23 nm	f=0.0061	<S**2>=0.000
178 -> 206	-0.14845				
181 -> 206	-0.13613				
190 -> 209	0.13371				
193 -> 212	-0.15761				
198 -> 213	0.11889				
198 -> 214	0.19286				
198 -> 215	0.17922				
198 -> 216	0.11114				
200 -> 219	0.32933				
201 -> 221	0.11535				
202 -> 221	0.20789				
203 -> 222	0.11117				
203 -> 224	-0.11393				
Excited State 185:	Singlet-A	6.1960 eV	200.10 nm	f=0.0019	<S**2>=0.000
190 -> 209	0.25187				
191 -> 209	-0.10268				
193 -> 212	0.33985				
199 -> 217	-0.14843				
199 -> 218	0.12191				
200 -> 219	0.21521				
203 -> 222	0.18088				
203 -> 224	-0.17998				
Excited State 186:	Singlet-A	6.2014 eV	199.93 nm	f=0.0016	<S**2>=0.000
178 -> 206	0.13293				
180 -> 206	0.32492				
190 -> 209	0.16110				
193 -> 212	0.14318				
194 -> 212	-0.13601				
198 -> 214	0.10894				
199 -> 219	0.10131				
202 -> 220	0.10851				
202 -> 221	0.12145				
203 -> 222	-0.19527				
203 -> 224	0.17896				

Excited State 187:	Singlet-A	6.2062 eV	199.78 nm	f=0.0472	<S**2>=0.000
190 -> 209	-0.14377				
198 -> 213	-0.12659				
198 -> 214	-0.10621				
198 -> 215	-0.27271				
199 -> 219	0.22999				
200 -> 218	0.14756				
200 -> 219	0.33224				
202 -> 220	0.15957				
Excited State 188:	Singlet-A	6.2151 eV	199.49 nm	f=0.0016	<S**2>=0.000
180 -> 206	0.55409				
181 -> 206	-0.24841				
190 -> 209	-0.17251				
193 -> 212	-0.14000				
203 -> 222	0.10242				
Excited State 189:	Singlet-A	6.2302 eV	199.01 nm	f=0.0291	<S**2>=0.000
190 -> 210	0.16644				
191 -> 210	0.56547				
192 -> 210	-0.13128				
198 -> 214	-0.13466				
202 -> 221	0.11403				
202 -> 223	0.11625				
Excited State 190:	Singlet-A	6.2327 eV	198.92 nm	f=0.0159	<S**2>=0.000
191 -> 210	0.19799				
198 -> 214	0.36061				
198 -> 215	-0.20405				
198 -> 216	-0.13814				
199 -> 219	-0.15492				
200 -> 219	0.10841				
202 -> 221	-0.19130				
202 -> 223	-0.16300				
Excited State 191:	Singlet-A	6.2481 eV	198.44 nm	f=0.0206	<S**2>=0.000
191 -> 210	0.10187				
197 -> 213	-0.12936				
198 -> 216	0.10747				
199 -> 219	0.17862				
199 -> 220	-0.23685				
200 -> 220	0.35587				
202 -> 220	-0.11714				
202 -> 222	0.13607				
202 -> 223	-0.12783				
202 -> 224	0.13170				
Excited State 192:	Singlet-A	6.2578 eV	198.13 nm	f=0.0033	<S**2>=0.000
181 -> 206	-0.10648				
182 -> 207	0.30310				
183 -> 207	-0.10604				
185 -> 207	-0.19111				
189 -> 209	0.14738				
193 -> 212	0.14322				
197 -> 213	0.13268				
199 -> 219	0.18192				
199 -> 220	0.10898				
200 -> 220	0.10142				
202 -> 222	-0.14511				
202 -> 223	0.10345				
203 -> 222	-0.12403				
203 -> 224	0.11344				
Excited State 193:	Singlet-A	6.2598 eV	198.06 nm	f=0.0254	<S**2>=0.000
178 -> 206	0.12825				
181 -> 206	0.14484				
185 -> 207	-0.13200				
188 -> 210	0.11728				
189 -> 209	0.22381				
193 -> 212	-0.16927				
197 -> 213	-0.10508				
198 -> 215	0.28930				
199 -> 219	0.10466				
201 -> 221	-0.15727				
202 -> 221	-0.16175				
Excited State 194:	Singlet-A	6.2661 eV	197.86 nm	f=0.0044	<S**2>=0.000
169 -> 208	-0.10267				
182 -> 207	0.43434				

183 -> 207	-0.14990					
186 -> 207	-0.16489					
187 -> 207	0.12122					
189 -> 209	-0.17302					
191 -> 210	-0.10387					
197 -> 213	-0.10426					
199 -> 219	-0.10277					
201 -> 220	0.11417					
202 -> 222	0.14894					
Excited State 195:	Singlet-A	6.2709 eV	197.71 nm	f=0.0084	<S**2>=0.000	
181 -> 206	0.12726					
193 -> 212	-0.10978					
197 -> 213	-0.18554					
198 -> 215	-0.18125					
199 -> 219	0.29421					
202 -> 220	-0.15914					
202 -> 221	0.14814					
202 -> 222	-0.23987					
202 -> 224	-0.13894					
Excited State 196:	Singlet-A	6.2857 eV	197.25 nm	f=0.0915	<S**2>=0.000	
191 -> 211	-0.25715					
191 -> 212	0.15724					
192 -> 211	0.34278					
197 -> 213	-0.19098					
198 -> 216	-0.16092					
202 -> 222	0.14662					
204 -> 225	0.17622					
Excited State 197:	Singlet-A	6.3022 eV	196.73 nm	f=0.0127	<S**2>=0.000	
182 -> 207	-0.16179					
182 -> 208	0.10133					
185 -> 207	-0.11499					
188 -> 209	0.21426					
189 -> 210	0.14302					
191 -> 211	-0.10079					
198 -> 216	0.34694					
198 -> 218	-0.16307					
199 -> 219	-0.21679					
202 -> 223	0.17648					
Excited State 198:	Singlet-A	6.3044 eV	196.66 nm	f=0.0000	<S**2>=0.000	
182 -> 207	-0.15336					
186 -> 207	-0.10683					
186 -> 208	-0.10296					
188 -> 209	0.18568					
189 -> 209	-0.11893					
189 -> 210	0.13044					
190 -> 210	0.12183					
191 -> 210	-0.14348					
197 -> 213	0.24322					
198 -> 216	-0.20467					
199 -> 219	0.12231					
201 -> 221	-0.20477					
202 -> 222	0.14922					
Excited State 199:	Singlet-A	6.3083 eV	196.54 nm	f=0.0247	<S**2>=0.000	
173 -> 206	-0.11060					
177 -> 206	-0.11839					
182 -> 208	-0.16996					
189 -> 209	-0.12039					
192 -> 211	0.28806					
196 -> 213	0.19603					
196 -> 215	0.10599					
196 -> 217	-0.10653					
197 -> 213	0.19944					
201 -> 221	0.11576					
204 -> 225	-0.19818					
205 -> 225	-0.10296					
Excited State 200:	Singlet-A	6.3176 eV	196.25 nm	f=0.0161	<S**2>=0.000	
188 -> 209	0.10043					
192 -> 211	-0.16835					
198 -> 216	-0.11088					
199 -> 220	-0.21334					
200 -> 220	-0.20981					
201 -> 221	0.37572					
201 -> 222	-0.18279					
201 -> 224	-0.10005					

Excited State 201:	Singlet-A	6.3254 eV	196.01 nm	f=0.0047	<S**2>=0.000
169 -> 207	-0.12039				
182 -> 208	0.47556				
183 -> 208	-0.16917				
185 -> 208	-0.13777				
197 -> 213	0.12559				
200 -> 220	0.16724				
Excited State 202:	Singlet-A	6.3298 eV	195.87 nm	f=0.0574	<S**2>=0.000
189 -> 209	-0.11015				
191 -> 211	-0.13177				
199 -> 219	0.22163				
199 -> 220	-0.18111				
200 -> 220	-0.19474				
200 -> 221	-0.14754				
201 -> 220	0.16128				
201 -> 221	-0.16271				
204 -> 225	-0.21776				
Excited State 203:	Singlet-A	6.3391 eV	195.59 nm	f=0.0275	<S**2>=0.000
182 -> 208	0.13189				
189 -> 209	0.14995				
190 -> 210	0.23448				
190 -> 212	-0.16648				
192 -> 211	0.11944				
192 -> 212	0.13891				
193 -> 213	0.10613				
193 -> 214	0.11598				
195 -> 213	0.12517				
195 -> 214	0.10263				
197 -> 215	0.11221				
199 -> 219	0.10453				
199 -> 220	-0.14169				
200 -> 220	-0.14617				
200 -> 221	0.10210				
Excited State 204:	Singlet-A	6.3446 eV	195.42 nm	f=0.0155	<S**2>=0.000
188 -> 209	-0.11734				
190 -> 210	0.43681				
190 -> 212	-0.13051				
191 -> 210	-0.11065				
193 -> 214	-0.14044				
193 -> 215	0.10668				
195 -> 213	-0.14337				
195 -> 214	-0.12383				
202 -> 222	-0.12465				
202 -> 223	-0.11239				
Excited State 205:	Singlet-A	6.3512 eV	195.21 nm	f=0.0119	<S**2>=0.000
177 -> 206	0.14019				
182 -> 208	-0.10375				
190 -> 211	0.26876				
190 -> 212	0.15967				
191 -> 211	0.12767				
191 -> 212	-0.13283				
192 -> 211	0.22993				
192 -> 212	-0.12535				
199 -> 220	-0.13791				
200 -> 221	0.13443				
204 -> 225	0.17509				
Excited State 206:	Singlet-A	6.3552 eV	195.09 nm	f=0.0865	<S**2>=0.000
190 -> 209	0.10210				
190 -> 210	0.26168				
190 -> 212	0.25114				
191 -> 211	0.15964				
192 -> 212	-0.16947				
196 -> 213	0.19129				
196 -> 215	0.11116				
196 -> 217	-0.11137				
197 -> 213	-0.21314				
199 -> 220	0.10920				
204 -> 225	-0.12755				
Excited State 207:	Singlet-A	6.3621 eV	194.88 nm	f=0.1657	<S**2>=0.000
190 -> 209	0.10050				
190 -> 210	0.14472				
190 -> 212	0.24321				
191 -> 211	-0.23982				

191 -> 212	-0.17450				
192 -> 212	-0.13449				
193 -> 212	-0.14519				
197 -> 213	0.18359				
201 -> 221	-0.12679				
201 -> 222	-0.14605				
201 -> 224	-0.15306				
Excited State 208:	Singlet-A	6.3661 eV	194.76 nm	f=0.1152	<S**2>=0.000
177 -> 206	-0.10379				
188 -> 209	0.11759				
190 -> 212	0.10331				
191 -> 211	-0.19490				
197 -> 213	-0.11530				
198 -> 216	-0.14039				
199 -> 220	0.17269				
200 -> 221	0.21591				
200 -> 222	0.14274				
200 -> 223	-0.13173				
201 -> 222	0.18093				
204 -> 225	-0.18704				
Excited State 209:	Singlet-A	6.3722 eV	194.57 nm	f=0.0205	<S**2>=0.000
190 -> 211	0.26750				
192 -> 211	0.18198				
196 -> 213	-0.23391				
196 -> 215	-0.11928				
196 -> 217	0.12222				
199 -> 220	0.17780				
201 -> 221	0.19525				
201 -> 222	0.19134				
202 -> 223	0.16367				
Excited State 210:	Singlet-A	6.3790 eV	194.36 nm	f=0.0155	<S**2>=0.000
177 -> 206	-0.17555				
190 -> 211	-0.15129				
190 -> 212	0.11263				
191 -> 211	-0.12516				
192 -> 211	-0.17347				
197 -> 213	0.13805				
201 -> 220	0.10884				
201 -> 221	0.13449				
201 -> 222	0.27410				
202 -> 223	0.19027				
204 -> 225	0.18011				
205 -> 225	0.10517				
Excited State 211:	Singlet-A	6.4064 eV	193.53 nm	f=0.0933	<S**2>=0.000
173 -> 206	0.15613				
174 -> 206	0.10489				
177 -> 206	0.36178				
178 -> 206	0.13517				
179 -> 206	-0.10631				
190 -> 211	-0.16787				
190 -> 212	-0.12375				
191 -> 211	-0.17425				
191 -> 212	-0.13287				
192 -> 212	0.14412				
195 -> 213	0.13460				
201 -> 222	0.17412				
201 -> 224	-0.11409				
Excited State 212:	Singlet-A	6.4194 eV	193.14 nm	f=0.0154	<S**2>=0.000
186 -> 207	0.16080				
187 -> 207	0.47388				
199 -> 221	0.10695				
200 -> 221	-0.14525				
200 -> 222	0.10960				
200 -> 223	-0.12814				
202 -> 222	-0.15860				
202 -> 223	-0.15666				
Excited State 213:	Singlet-A	6.4244 eV	192.99 nm	f=0.0202	<S**2>=0.000
186 -> 207	0.17782				
187 -> 207	0.39042				
188 -> 209	-0.11664				
198 -> 218	0.10746				
199 -> 221	-0.11253				
200 -> 220	-0.12957				
200 -> 221	0.15227				

200 -> 222	-0.13741					
200 -> 223	0.14858					
200 -> 224	-0.11280					
201 -> 223	0.15112					
202 -> 222	0.15519					
Excited State 214:	Singlet-A	6.4359 eV	192.64 nm	f=0.0026	<S**2>=0.000	
177 -> 206	0.10027					
178 -> 206	-0.11374					
179 -> 206	0.65137					
Excited State 215:	Singlet-A	6.4388 eV	192.56 nm	f=0.0096	<S**2>=0.000	
179 -> 206	-0.12043					
189 -> 209	0.16002					
198 -> 218	0.14721					
200 -> 221	-0.26637					
200 -> 222	0.13173					
200 -> 224	0.15007					
201 -> 223	0.37075					
202 -> 221	0.21959					
Excited State 216:	Singlet-A	6.4530 eV	192.13 nm	f=0.0093	<S**2>=0.000	
191 -> 212	-0.13005					
197 -> 214	-0.15015					
197 -> 215	0.14148					
197 -> 216	-0.15682					
198 -> 216	0.12706					
198 -> 217	0.13388					
198 -> 218	0.46683					
201 -> 222	-0.14018					
201 -> 223	-0.17280					
Excited State 217:	Singlet-A	6.4622 eV	191.86 nm	f=0.0034	<S**2>=0.000	
197 -> 214	-0.11940					
198 -> 216	-0.13545					
198 -> 217	0.53786					
198 -> 218	-0.17374					
200 -> 222	0.15331					
201 -> 223	0.10322					
Excited State 218:	Singlet-A	6.4679 eV	191.69 nm	f=0.0047	<S**2>=0.000	
187 -> 208	0.12656					
188 -> 209	0.11730					
197 -> 214	-0.10656					
197 -> 215	0.16040					
198 -> 217	0.11005					
199 -> 221	0.24065					
199 -> 222	0.12954					
200 -> 220	-0.11307					
200 -> 222	-0.22629					
200 -> 224	-0.14408					
201 -> 223	0.27391					
202 -> 223	-0.22810					
Excited State 219:	Singlet-A	6.4727 eV	191.55 nm	f=0.0280	<S**2>=0.000	
191 -> 212	0.21189					
192 -> 212	-0.13065					
195 -> 214	0.10295					
197 -> 215	-0.15332					
197 -> 216	0.17116					
198 -> 217	0.16438					
198 -> 218	0.26401					
199 -> 220	-0.11056					
199 -> 223	0.11865					
201 -> 222	0.19769					
201 -> 224	-0.13619					
Excited State 220:	Singlet-A	6.4819 eV	191.28 nm	f=0.0068	<S**2>=0.000	
195 -> 213	0.21447					
197 -> 214	0.40126					
197 -> 215	-0.14170					
198 -> 217	0.25945					
200 -> 222	-0.15416					
201 -> 223	-0.15614					
201 -> 224	0.14898					
202 -> 224	0.12265					
Excited State 221:	Singlet-A	6.4927 eV	190.96 nm	f=0.0129	<S**2>=0.000	
186 -> 207	0.13282					
187 -> 207	-0.10575					

187 -> 208	0.56406				
199 -> 221	-0.12749				
200 -> 222	0.10955				
202 -> 224	-0.17750				
Excited State 222:	Singlet-A	6.4995 eV	190.76 nm	f=0.0234	<S**2>=0.000
187 -> 208	0.23063				
196 -> 213	0.10677				
197 -> 214	-0.17781				
199 -> 224	-0.11744				
200 -> 221	0.11637				
200 -> 224	0.14730				
202 -> 222	-0.24837				
202 -> 224	0.38903				
Excited State 223:	Singlet-A	6.5083 eV	190.50 nm	f=0.0390	<S**2>=0.000
186 -> 207	-0.32478				
186 -> 208	0.19889				
187 -> 208	0.18148				
188 -> 210	-0.25161				
189 -> 209	0.33624				
192 -> 212	-0.11762				
197 -> 214	-0.12259				
201 -> 224	-0.11024				
Excited State 224:	Singlet-A	6.5215 eV	190.12 nm	f=0.0293	<S**2>=0.000
186 -> 207	0.29770				
186 -> 208	-0.25565				
188 -> 209	0.14534				
189 -> 210	-0.11912				
192 -> 212	-0.14056				
197 -> 215	0.12952				
198 -> 219	-0.11983				
200 -> 221	-0.19087				
200 -> 222	-0.11987				
200 -> 223	-0.12159				
201 -> 223	-0.14654				
201 -> 224	-0.11346				
202 -> 223	0.10634				
202 -> 224	0.12801				
Excited State 225:	Singlet-A	6.5300 eV	189.87 nm	f=0.0137	<S**2>=0.000
173 -> 206	-0.10770				
177 -> 206	0.10912				
185 -> 207	-0.10529				
188 -> 209	-0.16176				
188 -> 210	0.14843				
189 -> 209	-0.12050				
189 -> 210	0.14772				
192 -> 212	-0.20007				
195 -> 213	0.12283				
195 -> 214	-0.12828				
197 -> 215	0.30151				
197 -> 216	-0.11328				
200 -> 223	0.12401				
201 -> 224	-0.18725				
202 -> 224	0.11111				
Excited State 226:	Singlet-A	6.5327 eV	189.79 nm	f=0.0064	<S**2>=0.000
186 -> 207	0.12816				
186 -> 208	-0.23833				
188 -> 209	-0.29261				
188 -> 210	-0.11257				
189 -> 209	0.11861				
189 -> 210	0.42578				
199 -> 221	0.23712				
Excited State 227:	Singlet-A	6.5340 eV	189.75 nm	f=0.0032	<S**2>=0.000
177 -> 206	-0.17917				
185 -> 207	-0.11336				
188 -> 209	-0.11297				
189 -> 210	0.11893				
190 -> 212	0.17471				
192 -> 212	0.30549				
197 -> 215	0.22142				
197 -> 216	0.28211				
199 -> 221	-0.11483				
201 -> 223	-0.10445				
201 -> 224	-0.10847				

Excited State 228:	Singlet-A	6.5373 eV	189.66 nm	f=0.0095	<S**2>=0.000
190 -> 212	-0.16880				
191 -> 212	-0.12762				
192 -> 212	-0.19761				
197 -> 216	0.44105				
197 -> 218	0.12773				
198 -> 219	0.11001				
203 -> 225	0.13098				
Excited State 229:	Singlet-A	6.5422 eV	189.51 nm	f=0.0049	<S**2>=0.000
167 -> 206	-0.10681				
171 -> 206	0.10138				
173 -> 206	-0.22201				
174 -> 206	-0.16643				
175 -> 206	-0.14284				
177 -> 206	0.31351				
185 -> 207	-0.16689				
186 -> 208	0.10750				
197 -> 216	0.10976				
198 -> 219	-0.23744				
200 -> 223	-0.13359				
201 -> 224	0.11871				
Excited State 230:	Singlet-A	6.5441 eV	189.46 nm	f=0.0061	<S**2>=0.000
173 -> 206	-0.15961				
174 -> 206	-0.11500				
177 -> 206	0.20277				
185 -> 207	0.14644				
188 -> 209	0.12382				
189 -> 210	-0.15138				
190 -> 212	0.21471				
192 -> 212	0.23780				
198 -> 219	0.27922				
200 -> 223	0.16395				
Excited State 231:	Singlet-A	6.5568 eV	189.09 nm	f=0.0383	<S**2>=0.000
185 -> 207	-0.30692				
185 -> 208	-0.25280				
186 -> 208	0.12949				
198 -> 219	0.38765				
198 -> 220	0.11983				
200 -> 222	-0.10382				
Excited State 232:	Singlet-A	6.5612 eV	188.97 nm	f=0.0032	<S**2>=0.000
185 -> 207	0.15154				
185 -> 208	0.16984				
188 -> 210	0.11438				
198 -> 219	0.10640				
199 -> 220	0.23008				
199 -> 222	0.36949				
199 -> 224	0.15589				
201 -> 224	-0.12808				
202 -> 224	0.15397				
203 -> 225	0.15012				
Excited State 233:	Singlet-A	6.5640 eV	188.89 nm	f=0.0388	<S**2>=0.000
186 -> 208	0.18081				
189 -> 210	-0.10960				
193 -> 213	-0.11477				
193 -> 214	0.10681				
195 -> 213	-0.20708				
195 -> 215	-0.11906				
197 -> 214	0.25746				
197 -> 215	0.19627				
198 -> 220	-0.11000				
199 -> 221	0.24280				
200 -> 222	0.10513				
200 -> 223	0.11960				
203 -> 225	0.14414				
Excited State 234:	Singlet-A	6.5727 eV	188.64 nm	f=0.0109	<S**2>=0.000
185 -> 207	-0.13026				
185 -> 208	-0.22735				
188 -> 210	-0.14558				
189 -> 210	-0.10622				
198 -> 219	-0.22222				
199 -> 221	0.11544				
199 -> 222	0.20458				
199 -> 223	-0.13343				
200 -> 222	0.22061				

200 -> 223	0.26326				
201 -> 224	-0.12140				
Excited State 235:	Singlet-A	6.5853 eV	188.27 nm	f=0.0370	<S**2>=0.000
185 -> 208	0.27431				
188 -> 210	0.29268				
195 -> 214	-0.12270				
197 -> 214	-0.18055				
197 -> 215	-0.11349				
199 -> 221	0.17389				
199 -> 223	-0.19841				
201 -> 223	-0.13699				
202 -> 221	0.11769				
Excited State 236:	Singlet-A	6.5957 eV	187.98 nm	f=0.0233	<S**2>=0.000
175 -> 206	0.49640				
176 -> 206	-0.11782				
181 -> 206	0.11157				
191 -> 212	0.18081				
201 -> 224	0.18036				
Excited State 237:	Singlet-A	6.6133 eV	187.48 nm	f=0.0252	<S**2>=0.000
175 -> 206	0.14243				
176 -> 206	-0.11335				
195 -> 213	0.15065				
197 -> 215	-0.13481				
198 -> 219	0.10414				
198 -> 220	-0.18147				
199 -> 222	-0.11832				
201 -> 224	-0.12969				
203 -> 225	0.11814				
205 -> 225	0.22839				
205 -> 226	-0.17008				
205 -> 227	0.28768				
205 -> 228	0.12173				
Excited State 238:	Singlet-A	6.6194 eV	187.30 nm	f=0.0081	<S**2>=0.000
173 -> 206	-0.11617				
175 -> 206	0.26300				
176 -> 206	-0.17171				
191 -> 212	-0.14183				
195 -> 215	0.11129				
199 -> 221	0.11097				
200 -> 223	-0.16051				
201 -> 224	-0.12088				
205 -> 225	-0.18270				
205 -> 226	0.19256				
205 -> 227	-0.18554				
205 -> 228	-0.12403				
Excited State 239:	Singlet-A	6.6288 eV	187.04 nm	f=0.0098	<S**2>=0.000
185 -> 208	0.11516				
193 -> 215	-0.11518				
195 -> 215	-0.13452				
197 -> 215	-0.10714				
198 -> 219	0.15702				
198 -> 220	-0.16063				
199 -> 221	-0.11712				
199 -> 223	0.11452				
200 -> 223	0.21901				
205 -> 225	-0.15056				
205 -> 226	0.19546				
205 -> 227	-0.13563				
205 -> 228	-0.11213				
Excited State 240:	Singlet-A	6.6388 eV	186.76 nm	f=0.0361	<S**2>=0.000
176 -> 206	0.21446				
190 -> 212	0.11227				
191 -> 212	0.22303				
194 -> 213	-0.16107				
195 -> 213	0.17441				
198 -> 220	-0.19993				
203 -> 225	0.25363				
205 -> 227	-0.10944				
Excited State 241:	Singlet-A	6.6578 eV	186.22 nm	f=0.0589	<S**2>=0.000
167 -> 206	0.11711				
175 -> 206	-0.12638				
176 -> 206	-0.18256				
197 -> 217	-0.10778				

198 -> 219	-0.14790					
198 -> 220	0.34449					
198 -> 222	-0.11330					
199 -> 222	-0.10999					
200 -> 223	0.12291					
203 -> 225	0.28351					
Excited State 242:	Singlet-A	6.6634 eV	186.07 nm	f=0.0337	<S**2>=0.000	
167 -> 206	-0.12671					
168 -> 206	0.10777					
175 -> 206	0.19662					
176 -> 206	0.41446					
186 -> 208	0.10559					
198 -> 220	0.11864					
199 -> 223	0.31948					
200 -> 223	0.11753					
Excited State 243:	Singlet-A	6.6683 eV	185.93 nm	f=0.0601	<S**2>=0.000	
176 -> 206	-0.27531					
186 -> 208	0.14044					
193 -> 213	0.15586					
197 -> 217	0.15511					
198 -> 220	-0.14743					
199 -> 222	0.12758					
199 -> 223	0.34967					
Excited State 244:	Singlet-A	6.6823 eV	185.54 nm	f=0.0196	<S**2>=0.000	
194 -> 213	-0.11722					
194 -> 215	-0.13241					
195 -> 213	-0.10396					
195 -> 215	0.16131					
195 -> 216	-0.11744					
197 -> 217	-0.26155					
200 -> 222	0.11304					
200 -> 224	-0.16051					
205 -> 226	0.27818					
205 -> 227	0.18436					
Excited State 245:	Singlet-A	6.6981 eV	185.10 nm	f=0.0014	<S**2>=0.000	
193 -> 213	0.18121					
195 -> 216	0.11957					
197 -> 217	0.27677					
203 -> 225	0.18915					
205 -> 226	0.31104					
205 -> 227	0.30327					
Excited State 246:	Singlet-A	6.6984 eV	185.10 nm	f=0.0277	<S**2>=0.000	
186 -> 208	-0.10771					
191 -> 212	-0.13248					
193 -> 213	0.33421					
195 -> 213	-0.15471					
195 -> 216	-0.13472					
196 -> 213	0.13040					
196 -> 215	-0.10292					
197 -> 217	-0.12668					
203 -> 225	0.15858					
205 -> 226	-0.18258					
205 -> 227	-0.19024					
Excited State 247:	Singlet-A	6.7050 eV	184.91 nm	f=0.0034	<S**2>=0.000	
176 -> 206	0.14196					
193 -> 215	0.14633					
195 -> 214	0.12551					
195 -> 215	0.13978					
196 -> 214	-0.11624					
197 -> 217	0.31020					
199 -> 222	-0.11941					
199 -> 224	0.11787					
200 -> 222	0.12962					
200 -> 224	-0.25220					
202 -> 224	0.12167					
205 -> 226	-0.10811					
205 -> 227	-0.14108					
Excited State 248:	Singlet-A	6.7140 eV	184.67 nm	f=0.0601	<S**2>=0.000	
185 -> 207	-0.11340					
185 -> 208	0.12981					
186 -> 208	-0.10096					
192 -> 214	-0.10178					
193 -> 214	0.14750					

193 -> 215	0.17451				
194 -> 214	-0.10680				
195 -> 214	0.17105				
195 -> 215	0.17455				
195 -> 216	0.16123				
197 -> 217	-0.16694				
198 -> 220	-0.10675				
199 -> 224	-0.13426				
200 -> 222	-0.14258				
200 -> 224	0.20064				
202 -> 224	-0.12816				
Excited State 249:	Singlet-A	6.7320 eV	184.17 nm	f=0.0011	<S**2>=0.000
193 -> 213	-0.20676				
194 -> 213	-0.11330				
195 -> 213	0.10358				
196 -> 213	0.20026				
196 -> 214	0.34321				
196 -> 215	-0.29484				
196 -> 216	0.13110				
197 -> 217	0.20539				
197 -> 218	-0.10888				
Excited State 250:	Singlet-A	6.7328 eV	184.15 nm	f=0.0491	<S**2>=0.000
193 -> 213	-0.10842				
193 -> 215	-0.10483				
193 -> 216	0.14919				
194 -> 216	-0.15111				
195 -> 215	-0.16723				
195 -> 216	0.28376				
197 -> 217	-0.13635				
197 -> 218	0.10116				
197 -> 220	-0.10191				
198 -> 220	-0.13627				
199 -> 224	0.14281				
200 -> 224	-0.11317				
Excited State 251:	Singlet-A	6.7374 eV	184.02 nm	f=0.1175	<S**2>=0.000
190 -> 213	-0.16977				
190 -> 215	-0.13110				
190 -> 217	0.12028				
192 -> 213	0.10964				
193 -> 216	0.10342				
194 -> 213	0.30672				
194 -> 215	0.10888				
194 -> 217	-0.10698				
195 -> 213	0.12578				
196 -> 214	0.15857				
196 -> 215	-0.12931				
196 -> 216	0.12321				
Excited State 252:	Singlet-A	6.7472 eV	183.76 nm	f=0.0151	<S**2>=0.000
178 -> 207	-0.17186				
181 -> 207	0.24150				
182 -> 207	0.11731				
183 -> 207	0.35358				
183 -> 208	-0.12006				
184 -> 207	-0.16911				
193 -> 213	-0.10266				
197 -> 218	0.15279				
198 -> 221	0.19975				
Excited State 253:	Singlet-A	6.7547 eV	183.55 nm	f=0.0432	<S**2>=0.000
166 -> 206	-0.12508				
167 -> 206	0.33886				
168 -> 206	-0.16346				
173 -> 206	-0.19044				
176 -> 206	0.13719				
183 -> 207	-0.16682				
188 -> 211	0.10207				
189 -> 211	-0.16308				
194 -> 213	-0.11275				
197 -> 218	-0.10843				
200 -> 224	0.13794				
Excited State 254:	Singlet-A	6.7589 eV	183.44 nm	f=0.0163	<S**2>=0.000
167 -> 206	0.24034				
168 -> 206	-0.12318				
173 -> 206	-0.14715				
176 -> 206	0.13447				

183 -> 207	0.14290				
193 -> 213	0.19696				
197 -> 217	-0.11566				
197 -> 219	-0.17620				
204 -> 225	-0.13899				
204 -> 226	0.13258				
204 -> 227	-0.21176				
Excited State 255:	Singlet-A	6.7666 eV	183.23 nm	f=0.0017	<S**2>=0.000
183 -> 207	0.26549				
183 -> 208	-0.10250				
189 -> 211	0.22532				
198 -> 221	-0.19858				
198 -> 222	-0.11598				
204 -> 225	0.20199				
204 -> 226	-0.20359				
204 -> 227	0.23400				
204 -> 228	0.12332				
Excited State 256:	Singlet-A	6.7709 eV	183.11 nm	f=0.0223	<S**2>=0.000
167 -> 206	0.10415				
183 -> 207	-0.19384				
188 -> 211	-0.15842				
189 -> 211	0.38726				
197 -> 216	-0.11454				
197 -> 218	0.35166				
197 -> 219	0.13243				
Excited State 257:	Singlet-A	6.7771 eV	182.95 nm	f=0.0027	<S**2>=0.000
178 -> 207	-0.16482				
180 -> 207	0.11328				
181 -> 207	0.29556				
183 -> 207	-0.26357				
184 -> 207	-0.18288				
197 -> 219	-0.19373				
199 -> 222	-0.12425				
199 -> 224	0.18946				
204 -> 225	0.10620				
204 -> 226	-0.11677				
Excited State 258:	Singlet-A	6.7822 eV	182.81 nm	f=0.0014	<S**2>=0.000
169 -> 210	0.10365				
182 -> 207	0.10671				
182 -> 209	0.40242				
183 -> 209	-0.14048				
185 -> 209	-0.11325				
197 -> 218	0.28799				
198 -> 221	-0.14744				
199 -> 222	-0.10445				
199 -> 224	0.13434				
200 -> 224	0.10559				
Excited State 259:	Singlet-A	6.7829 eV	182.79 nm	f=0.0048	<S**2>=0.000
182 -> 209	0.35913				
183 -> 209	-0.12795				
185 -> 209	-0.12680				
188 -> 211	-0.13800				
189 -> 211	0.29951				
197 -> 218	-0.24480				
198 -> 221	0.12573				
200 -> 224	-0.12866				
Excited State 260:	Singlet-A	6.7977 eV	182.39 nm	f=0.0030	<S**2>=0.000
189 -> 211	0.16467				
193 -> 215	-0.12096				
193 -> 216	0.11367				
197 -> 217	0.12324				
197 -> 219	0.21573				
199 -> 222	-0.14852				
199 -> 224	0.28135				
200 -> 224	0.16708				
204 -> 225	-0.10547				
204 -> 226	0.25038				
Excited State 261:	Singlet-A	6.8003 eV	182.32 nm	f=0.0203	<S**2>=0.000
181 -> 207	-0.14128				
184 -> 207	0.15530				
185 -> 208	-0.10170				
188 -> 210	0.11858				
189 -> 211	0.10283				

193 -> 214	0.11921				
197 -> 219	-0.25732				
198 -> 221	0.29573				
199 -> 222	-0.11260				
199 -> 224	0.19559				
200 -> 224	0.11228				
Excited State 262:	Singlet-A	6.8141 eV	181.95 nm	f=0.0447	<S**2>=0.000
182 -> 209	-0.11789				
189 -> 210	-0.11226				
193 -> 214	0.31585				
193 -> 215	0.14370				
195 -> 214	-0.26841				
195 -> 216	-0.12714				
196 -> 215	0.11797				
197 -> 219	-0.11979				
197 -> 220	0.18248				
198 -> 221	-0.10415				
198 -> 223	0.12298				
Excited State 263:	Singlet-A	6.8223 eV	181.73 nm	f=0.0137	<S**2>=0.000
193 -> 214	-0.20077				
195 -> 214	0.13497				
196 -> 214	-0.17458				
196 -> 216	0.34274				
196 -> 219	-0.10866				
197 -> 218	0.17363				
197 -> 219	-0.20961				
198 -> 221	0.13251				
198 -> 223	0.13967				
Excited State 264:	Singlet-A	6.8292 eV	181.55 nm	f=0.0131	<S**2>=0.000
178 -> 208	0.10929				
181 -> 208	-0.16929				
184 -> 207	0.19850				
184 -> 208	0.12532				
188 -> 211	-0.11545				
193 -> 215	0.11097				
194 -> 213	-0.11032				
196 -> 215	0.10489				
196 -> 216	0.35810				
196 -> 219	-0.10923				
198 -> 222	0.14546				
198 -> 223	-0.12114				
Excited State 265:	Singlet-A	6.8309 eV	181.50 nm	f=0.0404	<S**2>=0.000
174 -> 206	0.10262				
190 -> 213	0.14665				
190 -> 217	-0.10294				
191 -> 213	-0.15667				
192 -> 213	-0.10770				
193 -> 216	0.22175				
194 -> 213	0.21996				
195 -> 213	0.12439				
196 -> 214	-0.11035				
196 -> 216	0.18782				
197 -> 220	0.17000				
204 -> 227	-0.11704				
Excited State 266:	Singlet-A	6.8338 eV	181.43 nm	f=0.0296	<S**2>=0.000
178 -> 208	0.12128				
181 -> 208	-0.21370				
183 -> 208	-0.13447				
184 -> 207	0.27283				
184 -> 208	0.18223				
194 -> 213	0.10239				
197 -> 219	-0.14142				
197 -> 220	0.12020				
204 -> 226	0.23998				
204 -> 227	0.20138				
205 -> 229	-0.11086				
Excited State 267:	Singlet-A	6.8364 eV	181.36 nm	f=0.0673	<S**2>=0.000
178 -> 208	-0.10079				
181 -> 208	0.13301				
184 -> 207	-0.10539				
188 -> 211	0.21270				
189 -> 211	0.15118				
193 -> 215	0.18625				
195 -> 215	-0.17835				

197 -> 220	-0.10948					
198 -> 221	-0.11156					
198 -> 222	0.17194					
198 -> 224	0.11046					
204 -> 226	0.21375					
204 -> 227	0.21333					
Excited State 268:	Singlet-A	6.8406 eV	181.25 nm	f=0.0329	<S**2>=0.000	
188 -> 211	0.48521					
189 -> 211	0.16979					
198 -> 221	-0.14471					
204 -> 226	-0.22078					
204 -> 227	-0.23183					
Excited State 269:	Singlet-A	6.8430 eV	181.18 nm	f=0.0129	<S**2>=0.000	
184 -> 207	0.18178					
189 -> 211	0.10055					
193 -> 215	0.20998					
194 -> 213	0.10412					
195 -> 215	-0.16131					
197 -> 219	0.26956					
198 -> 223	0.12001					
204 -> 227	-0.10604					
205 -> 229	0.30174					
Excited State 270:	Singlet-A	6.8551 eV	180.86 nm	f=0.0565	<S**2>=0.000	
178 -> 207	-0.13877					
178 -> 208	-0.10395					
181 -> 208	0.12351					
182 -> 210	-0.15019					
184 -> 207	0.21660					
188 -> 211	-0.20312					
193 -> 214	-0.12258					
195 -> 214	0.10072					
196 -> 216	-0.11958					
197 -> 220	0.22702					
198 -> 220	0.12775					
198 -> 221	-0.18102					
198 -> 222	0.16667					
205 -> 229	0.12685					
Excited State 271:	Singlet-A	6.8612 eV	180.70 nm	f=0.0151	<S**2>=0.000	
182 -> 210	0.28656					
183 -> 210	-0.10085					
188 -> 211	0.10710					
193 -> 215	-0.14000					
197 -> 219	-0.10088					
198 -> 222	0.15819					
205 -> 229	0.43679					
Excited State 272:	Singlet-A	6.8626 eV	180.67 nm	f=0.0046	<S**2>=0.000	
169 -> 209	0.10772					
178 -> 207	-0.11812					
181 -> 207	0.13508					
182 -> 210	0.35778					
183 -> 207	0.11339					
183 -> 208	0.28417					
183 -> 210	-0.12279					
184 -> 207	0.29477					
185 -> 210	-0.12440					
197 -> 220	-0.11102					
205 -> 229	-0.18931					
Excited State 273:	Singlet-A	6.8660 eV	180.58 nm	f=0.0598	<S**2>=0.000	
182 -> 208	-0.11555					
182 -> 210	0.23538					
183 -> 208	-0.22836					
193 -> 214	-0.14466					
193 -> 215	0.20718					
194 -> 213	-0.13766					
195 -> 215	-0.13138					
197 -> 220	0.27099					
205 -> 229	-0.10996					
Excited State 274:	Singlet-A	6.8693 eV	180.49 nm	f=0.0764	<S**2>=0.000	
182 -> 208	0.17811					
182 -> 210	-0.12840					
183 -> 207	0.12036					
183 -> 208	0.36579					
188 -> 211	0.17454					

197 -> 220	0.21085				
198 -> 221	0.13638				
Excited State 275:	Singlet-A	6.8814 eV	180.17 nm	f=0.0175	<S**2>=0.000
178 -> 207	-0.11167				
181 -> 207	0.17098				
181 -> 208	0.20550				
183 -> 208	-0.21273				
184 -> 207	0.22285				
184 -> 208	-0.15665				
192 -> 213	0.11639				
198 -> 222	-0.18160				
198 -> 223	-0.11847				
204 -> 226	0.10839				
205 -> 229	0.16864				
Excited State 276:	Singlet-A	6.8881 eV	180.00 nm	f=0.3917	<S**2>=0.000
181 -> 208	0.14646				
183 -> 208	-0.15139				
184 -> 207	0.10848				
184 -> 208	-0.16897				
185 -> 207	-0.11554				
185 -> 208	0.18425				
188 -> 210	-0.20783				
188 -> 211	0.13195				
189 -> 209	-0.11009				
198 -> 221	0.17952				
198 -> 222	0.23313				
198 -> 224	0.10681				
204 -> 226	-0.10445				
205 -> 229	-0.16138				
Excited State 277:	Singlet-A	6.8924 eV	179.89 nm	f=0.0151	<S**2>=0.000
168 -> 206	0.15200				
171 -> 206	0.15917				
173 -> 206	-0.23833				
174 -> 206	0.53371				
176 -> 206	-0.12693				
Excited State 278:	Singlet-A	6.9008 eV	179.67 nm	f=0.0439	<S**2>=0.000
174 -> 206	0.11054				
190 -> 213	-0.12127				
192 -> 213	-0.10998				
193 -> 216	0.29947				
194 -> 216	0.15476				
195 -> 214	0.13520				
195 -> 215	-0.11468				
195 -> 216	-0.24735				
195 -> 218	-0.10758				
197 -> 219	-0.13734				
197 -> 220	-0.20420				
Excited State 279:	Singlet-A	6.9078 eV	179.49 nm	f=0.0421	<S**2>=0.000
187 -> 209	0.10382				
190 -> 213	0.13992				
192 -> 213	0.16400				
193 -> 215	-0.14197				
194 -> 214	0.12954				
194 -> 215	-0.16244				
195 -> 214	0.14500				
195 -> 216	0.10867				
196 -> 213	-0.23908				
196 -> 214	0.34907				
196 -> 215	0.13814				
196 -> 217	-0.19459				
Excited State 280:	Singlet-A	6.9106 eV	179.41 nm	f=0.0337	<S**2>=0.000
187 -> 209	0.18187				
192 -> 213	0.14915				
193 -> 214	0.12836				
194 -> 214	0.26584				
194 -> 215	-0.25050				
194 -> 216	0.13256				
195 -> 215	-0.13040				
195 -> 216	0.16171				
196 -> 213	0.17774				
196 -> 214	-0.18674				
196 -> 215	-0.12203				
196 -> 217	0.12387				
197 -> 220	0.11009				

Excited State 281:	Singlet-A	6.9259 eV	179.02 nm	f=0.0090	<S**2>=0.000
184 -> 208	0.13335				
187 -> 209	0.21972				
190 -> 213	0.17217				
192 -> 213	0.37716				
194 -> 214	-0.13905				
194 -> 215	0.11602				
195 -> 217	0.14172				
196 -> 214	-0.11597				
197 -> 220	-0.16399				
Excited State 282:	Singlet-A	6.9332 eV	178.83 nm	f=0.0970	<S**2>=0.000
184 -> 208	0.12687				
185 -> 209	0.12384				
186 -> 209	0.21935				
187 -> 209	0.50455				
192 -> 213	-0.18764				
195 -> 217	-0.10699				
Excited State 283:	Singlet-A	6.9374 eV	178.72 nm	f=0.0362	<S**2>=0.000
178 -> 208	-0.20632				
181 -> 208	0.19600				
184 -> 208	0.55835				
187 -> 209	-0.19565				
Excited State 284:	Singlet-A	6.9485 eV	178.43 nm	f=0.0162	<S**2>=0.000
192 -> 213	-0.11900				
193 -> 216	-0.10556				
194 -> 217	-0.12741				
195 -> 217	0.34184				
195 -> 218	0.16095				
196 -> 215	-0.22807				
196 -> 217	-0.32374				
Excited State 285:	Singlet-A	6.9585 eV	178.18 nm	f=0.0110	<S**2>=0.000
169 -> 206	-0.13969				
171 -> 206	0.24268				
172 -> 206	0.20772				
195 -> 217	0.12186				
195 -> 218	0.18748				
196 -> 215	0.25319				
196 -> 217	0.28742				
198 -> 223	0.12135				
Excited State 286:	Singlet-A	6.9608 eV	178.12 nm	f=0.0150	<S**2>=0.000
169 -> 206	-0.13994				
170 -> 206	-0.14131				
171 -> 206	0.35449				
172 -> 206	0.31738				
195 -> 218	-0.15029				
198 -> 223	-0.17736				
205 -> 230	-0.13295				
Excited State 287:	Singlet-A	6.9708 eV	177.86 nm	f=0.0373	<S**2>=0.000
171 -> 206	-0.14632				
172 -> 206	-0.14480				
194 -> 217	-0.13153				
195 -> 217	0.27520				
196 -> 215	0.16919				
196 -> 217	0.14447				
198 -> 223	-0.23348				
205 -> 226	-0.12130				
205 -> 228	-0.18344				
205 -> 230	-0.22239				
Excited State 288:	Singlet-A	6.9771 eV	177.70 nm	f=0.0157	<S**2>=0.000
169 -> 206	-0.20399				
188 -> 212	-0.16386				
189 -> 212	0.43561				
191 -> 213	0.11445				
192 -> 216	-0.10084				
195 -> 217	-0.11311				
195 -> 218	0.10827				
202 -> 225	0.13381				
204 -> 229	0.14386				
Excited State 289:	Singlet-A	6.9776 eV	177.69 nm	f=0.0085	<S**2>=0.000
188 -> 212	0.11081				
189 -> 212	-0.30260				

194 -> 214	0.13942				
194 -> 216	-0.23859				
194 -> 218	-0.10957				
195 -> 216	-0.12657				
195 -> 217	-0.10702				
204 -> 229	0.31794				
205 -> 230	-0.15813				
Excited State 290:	Singlet-A	6.9809 eV	177.60 nm	f=0.0284	<S**2>=0.000
168 -> 206	-0.13149				
169 -> 206	0.40662				
172 -> 206	0.22134				
186 -> 209	0.11605				
189 -> 212	0.20777				
192 -> 214	-0.19153				
194 -> 216	-0.12539				
205 -> 228	-0.11548				
Excited State 291:	Singlet-A	6.9853 eV	177.49 nm	f=0.0112	<S**2>=0.000
194 -> 214	-0.16441				
194 -> 216	0.34301				
195 -> 216	0.12161				
198 -> 223	0.15412				
204 -> 229	0.20661				
205 -> 226	-0.11286				
205 -> 228	-0.21904				
205 -> 230	-0.25372				
Excited State 292:	Singlet-A	6.9885 eV	177.41 nm	f=0.1164	<S**2>=0.000
179 -> 207	0.11522				
185 -> 209	0.13978				
186 -> 209	-0.17967				
188 -> 212	-0.20785				
189 -> 212	0.22751				
190 -> 214	0.10305				
192 -> 214	0.27049				
195 -> 217	0.13423				
198 -> 223	0.17956				
204 -> 229	0.15301				
Excited State 293:	Singlet-A	6.9913 eV	177.34 nm	f=0.0451	<S**2>=0.000
169 -> 206	0.23754				
170 -> 206	0.12004				
172 -> 206	0.19657				
194 -> 214	-0.10109				
194 -> 216	0.14232				
198 -> 223	-0.16028				
202 -> 225	0.12277				
204 -> 229	0.29160				
205 -> 231	-0.17683				
205 -> 233	-0.10822				
Excited State 294:	Singlet-A	7.0016 eV	177.08 nm	f=0.0140	<S**2>=0.000
169 -> 206	0.12398				
178 -> 207	-0.15014				
192 -> 214	0.12859				
192 -> 215	0.11511				
193 -> 216	0.11933				
193 -> 218	0.16031				
194 -> 216	0.12165				
194 -> 218	-0.12812				
195 -> 217	-0.18628				
195 -> 218	0.36610				
196 -> 218	-0.10974				
204 -> 229	-0.14760				
Excited State 295:	Singlet-A	7.0058 eV	176.97 nm	f=0.0121	<S**2>=0.000
170 -> 206	0.49947				
171 -> 206	-0.10145				
172 -> 206	0.26532				
178 -> 207	0.12232				
191 -> 213	0.11201				
194 -> 214	0.10127				
Excited State 296:	Singlet-A	7.0109 eV	176.85 nm	f=0.0363	<S**2>=0.000
169 -> 206	0.14771				
170 -> 206	-0.15674				
178 -> 207	0.26258				
181 -> 207	0.16461				
186 -> 209	-0.20116				

191 -> 213	0.13000				
192 -> 214	0.12759				
192 -> 215	-0.21369				
192 -> 216	-0.11707				
194 -> 214	-0.11199				
202 -> 225	0.14214				
204 -> 229	-0.17255				
Excited State 297:	Singlet-A	7.0180 eV	176.67 nm	f=0.0441	<S**2>=0.000
178 -> 207	0.36475				
181 -> 207	0.23651				
187 -> 210	0.18819				
189 -> 212	0.11076				
191 -> 213	-0.18186				
192 -> 215	0.13649				
197 -> 221	-0.13944				
198 -> 223	-0.16173				
Excited State 298:	Singlet-A	7.0289 eV	176.39 nm	f=0.0309	<S**2>=0.000
179 -> 207	-0.12150				
187 -> 211	-0.11951				
193 -> 217	0.12925				
195 -> 218	0.15032				
195 -> 220	-0.14659				
202 -> 225	-0.21886				
204 -> 229	0.21353				
205 -> 228	0.27909				
205 -> 231	0.17722				
Excited State 299:	Singlet-A	7.0372 eV	176.18 nm	f=0.0111	<S**2>=0.000
179 -> 207	0.39620				
190 -> 213	0.14672				
190 -> 215	0.10766				
191 -> 213	0.25402				
192 -> 215	0.15106				
195 -> 219	-0.10072				
197 -> 222	-0.11496				
205 -> 231	-0.12082				
Excited State 300:	Singlet-A	7.0377 eV	176.17 nm	f=0.0024	<S**2>=0.000
168 -> 206	-0.11490				
169 -> 206	0.19377				
170 -> 206	0.25841				
171 -> 206	0.38812				
172 -> 206	-0.32971				
173 -> 206	0.20276				
191 -> 213	0.11368				