Table S1: Some torsional angles (in degrees) of $(C_2F_5)_3SiONMe_2$ calculated using B3LYP/6-31G(d,p) approximation.

Torsion angle	conf1	conf2	conf3	conf4	conf5
φ(C21–C14–Si1–O2)	–83.7	–79.0	–84.6	–65.3	68.1
φ(C18–C13–Si1–O2)	–66.4	–67.1	–65.6	–71.7	87.5
φ(C15–C12–Si1–O2)	–69.8	–176.5	30.1	26.8	–46.6

Table S2: Relative energies and abundances (%) for conformers of $(C_2F_5)_3SiONMe_2$ calculated using B3LYP/6-31G(d,p) approximation.

Conformer	ΔE, kcal mol^{-1}	χ, %
conf1	0.00	54.6
conf2	1.48	3.8
conf3	0.22	36.5
conf4	1.49	3.8
conf5	2.06	1.3

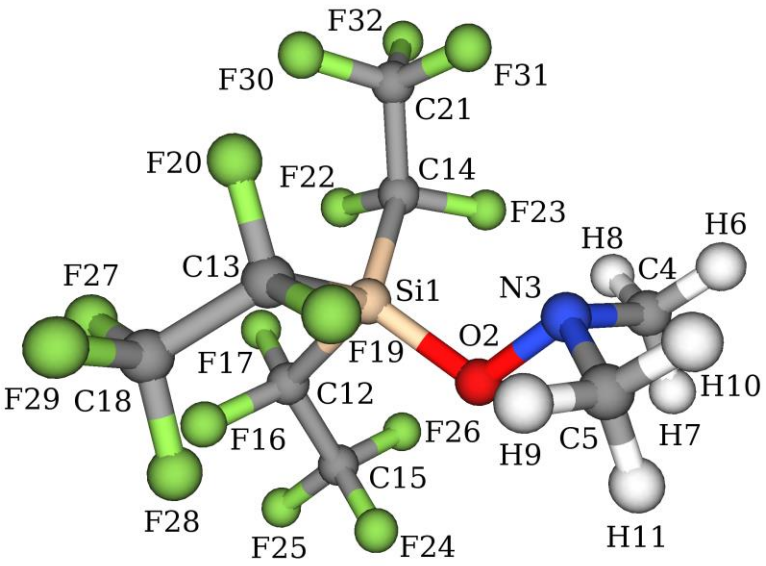

Figure S1: Effective structure of $(C_2F_5)_3SiONMe_2$ refined in conf1MD model.

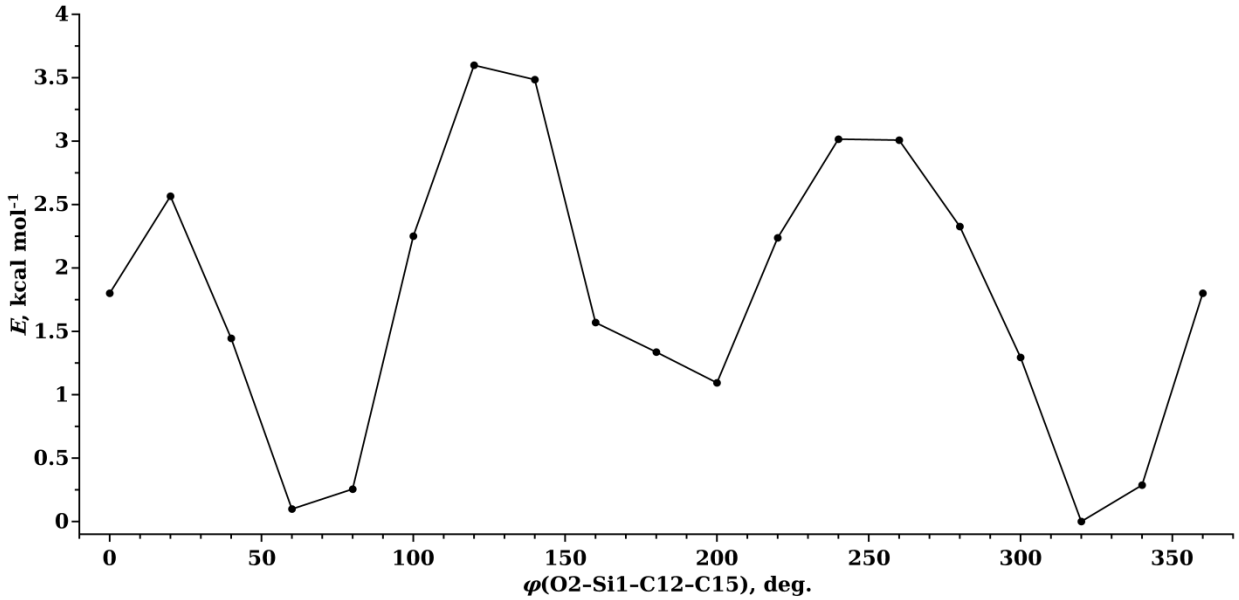

Figure S2. Potential function of $(C_2F_5)_3SiONMe_2$ calculated on B3LYP/6-31G(d,p) level along dihedral angle φ(O2–Si1–C12–C15) of conf5.

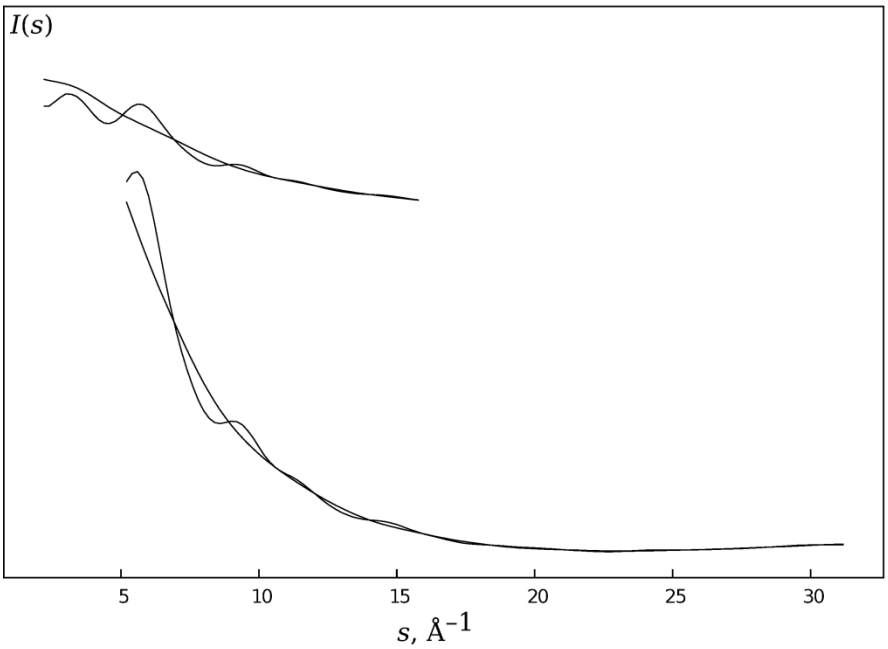

Figure S3. Total intensity functions of $(C_2F_5)_3SiONMe_2$ and background lines in long and middle camera GED experiments.

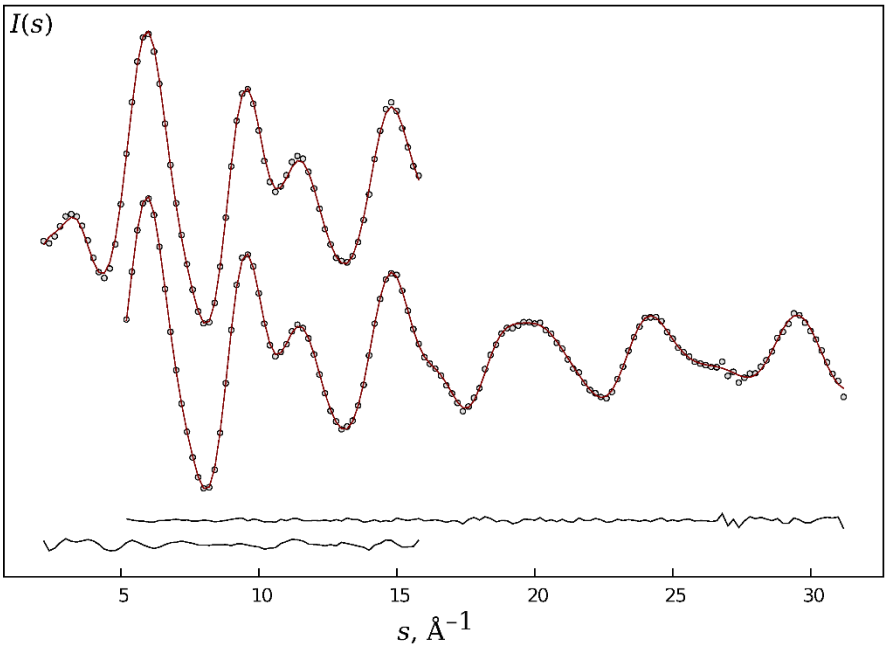

Figure S4. Experimental (dots) and model (lines) molecular *sM*(*s*) intensity functions of $(C_2F_5)_3SiONMe_2$.

Table S3. Details of GED experiments.

Camera setting	Short	Long
Nozzle-to-plate distance, mm	250.0	500.0
Accelerating voltage, kV	60	60
Fast electrons current,[a] μA	1.07	1.02
Electron wavelength,[ab] Å	0.048646	0.048559
Nozzle temperature,[a] K	296	266
Sample gas pressure,[ac] mbar	1.2×10^{-6}	0.7×10^{-6}
Residual gas pressure,[a] mbar	1.1×10^{-7}	1.3×10^{-7}
Exposure time,[a] sec	5	6
Used *s* range, Å–1	5.2 – 31.2	2.2 – 15.8
Number of inflection points[d]	5	4

[a] Average values.

[b] Determined from CCl_4 diffraction patterns measured in the same experiment.

[c] Pressure in the chamber during the measurement.

[d] Number of inflection points on the background line.

Table S4. Refined in conf1MD model effective interatomic distances ($r_{a,exp}$) and amplitudes (l_{exp}), calculated amplitudes and corrections using Shrink program (l_{Shr}, c_{Shr}) and molecular dynamics simulations (l_{MD}, c_{MD}) for $(C_2F_5)_3SiONMe_2$. All quantities are in Å.

Term		$r_{a,exp}$	l_{exp}	l_{MD}	l_{Shr}	c_{MD}	c_{Shr}
C5	H9	1.087800	0.084354	0.076100	0.075700	-0.006600	-0.016100
C4	H8	1.088369	0.084022	0.075800	0.075800	-0.005600	-0.016100
C4	H6	1.088538	0.085019	0.076700	0.076300	-0.001800	-0.016400
C5	H10	1.094834	0.084243	0.076000	0.076300	-0.007100	-0.016400
C4	H7	1.096543	0.085573	0.077200	0.077200	-0.005700	-0.016900
C5	H11	1.092452	0.086017	0.077600	0.077200	-0.001400	-0.016700
F29	C18	1.331305	0.049216	0.044400	0.044200	-0.007500	-0.006300
F25	C15	1.332433	0.048772	0.044000	0.044200	-0.008300	-0.005800
F27	C18	1.323037	0.050103	0.045200	0.044200	-0.003800	-0.005300
F32	C21	1.328440	0.049659	0.044800	0.044400	-0.004200	-0.005900
F31	C21	1.336356	0.052541	0.047400	0.044400	-0.005800	-0.005900
F26	C15	1.334848	0.048662	0.043900	0.044400	-0.009500	-0.005100
F30	C21	1.325076	0.050103	0.045200	0.044400	-0.001900	-0.004700
F24	C15	1.335652	0.050324	0.045400	0.044600	-0.004600	-0.005900
F28	C18	1.332450	0.050103	0.045200	0.045000	0.002700	-0.004400
F17	C12	1.359410	0.052209	0.047100	0.045900	-0.006100	-0.006200
F20	C13	1.363741	0.051987	0.046900	0.046100	-0.007500	-0.004700
F22	C14	1.362970	0.051322	0.046300	0.046200	-0.007200	-0.005800
F19	C13	1.368710	0.051987	0.046900	0.046200	-0.009300	-0.008300
F16	C12	1.376077	0.051544	0.046500	0.046300	-0.009700	-0.005200
F23	C14	1.368068	0.051987	0.046900	0.046500	-0.003600	-0.005100
N3	C4	1.468194	0.055977	0.050500	0.049400	-0.006900	-0.009500
N3	C5	1.467212	0.055201	0.049800	0.049400	-0.008100	-0.009600
O2	N3	1.495946	0.058749	0.053000	0.052400	-0.007900	-0.007000
C13	C18	1.550056	0.058749	0.053000	0.050900	-0.009500	-0.011100
C12	C15	1.550201	0.057973	0.052300	0.050800	-0.012900	-0.011500
C21	C14	1.552984	0.065178	0.058800	0.051000	-0.012300	-0.009500
Si1	O2	1.744517	0.049437	0.044600	0.043600	-0.004900	-0.003400
H9	H10	1.747278	0.145320	0.131100	0.123100	0.022300	-0.016200
H6	H8	1.757647	0.144211	0.130100	0.123200	0.014800	-0.017200
H9	H11	1.721721	0.137006	0.123600	0.122300	0.055500	-0.019800
H7	H8	1.744460	0.137893	0.124400	0.122300	0.034300	-0.017900
H10	H11	1.777066	0.143768	0.129700	0.123400	0.011000	-0.017700

H6	H7	1.776846	0.140442	0.126700	0.123300	0.010400	-0.017600
Si1	C12	1.982797	0.062541	0.062300	0.054000	-0.019100	-0.009000
Si1	C13	1.976863	0.062541	0.062300	0.054600	-0.014800	-0.008000
Si1	C14	1.973687	0.062140	0.061900	0.054200	-0.015500	-0.009600
N3	H10	2.054066	0.115345	0.114900	0.105900	0.010600	-0.015300
N3	H6	2.063799	0.114241	0.113800	0.105800	0.008600	-0.014600
N3	H8	2.094011	0.113940	0.113500	0.102600	0.001400	-0.019100
N3	H9	2.085436	0.115345	0.114900	0.102600	0.008900	-0.017400
N3	H7	2.092428	0.108720	0.108300	0.102400	-0.001900	-0.022800
N3	H11	2.092367	0.111229	0.110800	0.102300	0.004200	-0.021900
F31	F32	2.156319	0.056719	0.056500	0.056400	-0.008500	-0.010000
F27	F29	2.147936	0.058124	0.057900	0.056300	-0.000200	-0.006800
F25	F26	2.151853	0.056920	0.056700	0.056500	-0.001900	-0.006700
F30	F32	2.149111	0.057321	0.057100	0.056600	0.002600	-0.007100
F24	F25	2.154571	0.057723	0.057500	0.056600	0.000800	-0.007100
F30	F31	2.154453	0.057823	0.057600	0.056700	-0.001000	-0.005500
F24	F26	2.156376	0.057321	0.057100	0.056700	-0.000900	-0.006500
F28	F29	2.152543	0.058124	0.057900	0.056800	0.002700	-0.007200
F27	F28	2.158174	0.057221	0.057000	0.056800	-0.001300	-0.005600
F16	F17	2.235572	0.060132	0.059900	0.059800	-0.001300	-0.007500
F19	F20	2.222051	0.059329	0.059100	0.059700	0.000000	-0.008700
F22	F23	2.226432	0.062240	0.062000	0.060000	0.005200	-0.005300
F22	C21	2.316318	0.079105	0.078800	0.066200	-0.013800	-0.014800
F19	C18	2.322917	0.072379	0.072100	0.066200	-0.007000	-0.017700
F16	C15	2.315649	0.071677	0.071400	0.066700	-0.005900	-0.013900
F23	C21	2.327936	0.076295	0.076000	0.066800	-0.005300	-0.007800
O2	C4	2.305241	0.072982	0.072700	0.068500	-0.008500	-0.011700
F20	C18	2.323248	0.071978	0.071700	0.067100	-0.003900	-0.009700
F17	C15	2.328219	0.073283	0.073000	0.067100	-0.005500	-0.012000
O2	C5	2.318795	0.073183	0.072900	0.069200	0.000600	-0.011400
F32	C14	2.364565	0.076596	0.076300	0.065500	-0.019000	-0.012500
C13	F28	2.366781	0.077399	0.077100	0.067300	-0.012000	-0.013900
C12	F24	2.365114	0.076395	0.076100	0.067500	-0.015300	-0.014200
F27	C13	2.373232	0.074186	0.073900	0.067200	-0.012300	-0.010300
C12	F26	2.376774	0.078603	0.078300	0.067300	-0.016400	-0.011300
C12	F25	2.358178	0.073684	0.073400	0.066000	-0.002300	-0.014400
C13	F29	2.358782	0.072179	0.071900	0.065900	-0.005000	-0.013900
F30	C14	2.367760	0.077399	0.077100	0.067700	-0.010700	-0.011600
F31	C14	2.375176	0.076897	0.076600	0.067600	-0.001500	-0.008100

C4	C5	2.438154	0.075090	0.074800	0.067900	-0.004700	-0.013200
H6	H10	2.623901	0.265023	0.264000	0.226800	-0.032400	-0.020000
H7	H11	2.307141	0.256892	0.255900	0.232100	0.002900	-0.038600
Si1	N3	2.664593	0.166242	0.165600	0.129900	-0.071200	-0.099900
F28	H9	1.984318	3.251567	2.933400	0.328500	1.999400	-0.176600
O2	H7	2.517251	0.240968	0.193200	0.171300	-0.032000	-0.022300
O2	H11	2.557450	0.250447	0.200800	0.173200	-0.003600	-0.013400
F23	H8	1.163901	2.783684	2.511300	0.303200	0.987700	-0.097100
O2	H8	2.524758	0.233859	0.187500	0.160100	-0.000200	-0.014200
O2	H9	2.498678	0.243837	0.195500	0.160800	0.028200	-0.020700
F19	H9	0.982518	2.806186	2.531600	0.337700	1.175400	-0.106900
F22	F32	2.779988	0.209039	0.167600	0.129300	-0.141300	-0.068200
F19	F29	2.617652	0.184593	0.148000	0.125000	-0.026700	0.001100
F16	F25	2.645289	0.208415	0.167100	0.132800	-0.015100	0.005700
C4	H10	2.775275	0.232362	0.186300	0.158100	-0.024200	-0.009300
C5	H6	2.736669	0.225003	0.180400	0.157100	-0.015800	-0.015800
Si1	F22	2.732497	0.124974	0.100200	0.084300	-0.043200	-0.013000
F31	H8	2.412433	3.016129	2.721000	0.352800	1.330900	-0.251500
Si1	F16	2.694129	0.112377	0.090100	0.083300	-0.022600	-0.004800
C5	H7	2.622245	0.223257	0.179000	0.154500	-0.001800	-0.019900
C4	H11	2.589878	0.222259	0.178200	0.156000	0.008200	-0.025400
F23	F31	2.815539	0.225876	0.181100	0.143900	-0.100100	-0.054200
F20	F27	2.674251	0.203301	0.163000	0.134900	-0.033200	0.018300
Si1	F23	2.719245	0.119985	0.096200	0.081900	-0.002700	0.001100
F17	F26	2.707607	0.210286	0.168600	0.141900	-0.023800	0.015900
Si1	F20	2.701318	0.120235	0.096400	0.086200	-0.004700	-0.018500
Si1	F19	2.717139	0.119736	0.096000	0.082400	0.029400	0.015700
F23	F32	2.601824	0.180227	0.144500	0.148100	0.084500	0.046900
Si1	F17	2.748475	0.116867	0.093700	0.084100	0.033800	-0.001700
F17	F25	2.723393	0.218268	0.175000	0.144100	0.020600	-0.038200
F20	F29	2.740734	0.198437	0.159100	0.141900	0.034200	-0.034600
F19	F28	2.771768	0.204548	0.164000	0.139200	0.019600	-0.045200
F16	F24	2.728525	0.223756	0.179400	0.147200	0.007000	-0.040800
F22	F30	2.624819	0.194321	0.155800	0.152800	0.084300	0.040000
F22	F26	3.889969	0.490173	0.357000	0.226500	-0.274200	-0.111100
F16	F27	2.246441	0.368936	0.295800	0.218900	-0.086800	-0.089400
F20	F30	2.864729	0.475893	0.346600	0.227200	-0.202900	-0.051400
F23	F26	3.836934	0.528343	0.384800	0.248600	-0.101000	-0.093500
F19	F30	4.610051	0.560610	0.408300	0.239300	-0.102100	-0.126200

O2	C12	2.986400	0.279882	0.224400	0.092400	-0.119800	-0.004000
F27	F17	3.599746	0.482347	0.351300	0.247600	-0.160300	-0.112500
O2	F16	3.841270	0.314425	0.229000	0.169900	-0.264800	-0.014900
Si1	C15	3.033932	0.134557	0.098000	0.075300	-0.055200	-0.022200
Si1	C18	3.046827	0.143757	0.104700	0.075600	-0.048100	-0.023200
F31	N3	4.630850	2.167801	0.526500	0.190300	-0.956900	-0.058500
O2	C13	2.963292	0.269252	0.196100	0.091200	0.093200	0.001200
F22	F17	2.325833	0.429210	0.312600	0.228400	-0.083700	0.009400
H7	H10	3.058863	0.419462	0.305500	0.253800	0.018500	0.004800
H6	H11	2.951776	0.366316	0.293700	0.254800	0.027900	-0.015400
O2	C14	2.981264	0.236299	0.172100	0.089600	0.084500	-0.007800
Si1	C21	3.016430	0.136891	0.099700	0.071400	0.018500	-0.018700
F19	N3	3.775854	1.165431	0.848800	0.178700	-0.616600	-0.116800
F20	F22	4.121038	0.379781	0.276600	0.233600	-0.032300	-0.033100
O2	F24	3.050753	0.310306	0.226000	0.228600	-0.485700	0.003000
F31	C4	5.831315	2.000635	0.485900	0.248600	-1.699900	-0.237600
F27	C12	3.208398	0.307559	0.224000	0.166600	-0.142700	-0.114500
F30	C13	3.719268	0.348613	0.253900	0.169300	-0.172100	-0.109700
C14	C12	3.076675	0.178632	0.130100	0.094600	-0.030400	-0.018500
F31	H6	1.785769	3.557503	3.209400	0.393500	2.478800	-0.288400
C13	C12	3.095452	0.161881	0.117900	0.095100	-0.022000	-0.017600
F22	C12	2.986495	0.282158	0.205500	0.149600	-0.121000	-0.023300
C14	F26	3.977590	0.391315	0.285000	0.173900	-0.154800	-0.109000
C13	C14	3.474754	0.157212	0.114500	0.094300	-0.014300	-0.008200
F20	F17	4.337673	0.373301	0.299300	0.238500	0.039300	-0.045300
C13	H9	2.872989	2.347194	1.881900	0.253700	0.312400	-0.149900
C14	H8	2.898295	2.356298	1.889200	0.242300	0.286200	-0.161300
Si1	F24	3.281967	0.284493	0.207200	0.159100	-0.126600	-0.001800
F20	C14	3.503460	0.283669	0.206600	0.156000	-0.029000	-0.017000
O2	F23	3.023394	0.370719	0.270000	0.161800	0.031500	0.006100
Si1	F28	3.297132	0.277902	0.202400	0.158500	-0.086400	0.012400
F19	C5	4.242354	3.734052	0.906900	0.256300	-1.217900	-0.147700
F17	C13	3.896394	0.289161	0.210600	0.161500	0.019900	-0.027000
O2	H6	3.270038	0.160920	0.117200	0.099700	-0.006300	-0.012500
F16	F28	1.967775	0.706288	0.514400	0.355500	-0.150300	0.097400
F23	F24	4.880557	0.735122	0.535400	0.394100	-0.153400	0.021000
O2	H10	3.267820	0.166549	0.121300	0.100000	0.009700	-0.012000
O2	F28	3.843914	0.532874	0.388100	0.225000	-0.051800	0.012300
N3	C14	3.685497	0.860068	0.626400	0.175100	-0.242300	-0.105100

C18	H9	3.527257	2.438815	2.429400	0.264500	0.593400	-0.159300
Si1	F30	3.420960	0.244537	0.178100	0.142500	-0.099800	-0.078400
Si1	F27	3.428647	0.237535	0.173000	0.132300	-0.050500	-0.067900
F19	O2	2.885208	0.316621	0.230600	0.155000	0.231500	0.037200
C5	H8	3.363878	0.166137	0.121000	0.100400	-0.000600	-0.017700
C4	H9	3.364904	0.172865	0.125900	0.100300	-0.005800	-0.016400
F16	C18	2.371268	0.434153	0.316200	0.202000	-0.094600	-0.000500
Si1	H8	3.485540	0.353556	0.257500	0.190900	-0.081600	-0.090900
C13	N3	3.650512	0.988172	0.719700	0.153900	-0.152500	-0.139100
Si1	F26	3.422813	0.279275	0.203400	0.143800	-0.045400	-0.049600
F23	C15	4.397354	0.371955	0.270900	0.208000	-0.109100	-0.038700
Si1	H9	3.450141	0.388706	0.283100	0.196000	-0.049500	-0.091500
F28	C5	5.702943	4.317073	1.048500	0.272500	-0.916200	-0.117900
C21	H8	3.304015	3.048271	2.444000	0.275300	0.717300	-0.213000
Si1	F31	3.206790	0.269115	0.196000	0.147300	0.187100	0.047100
F23	C4	4.284506	2.388492	0.580100	0.260100	-1.233800	-0.062200
Si1	C4	3.618214	0.205818	0.149900	0.119600	-0.067900	-0.084800
F22	C15	4.012651	0.447472	0.325900	0.185400	-0.166900	-0.058300
Si1	C5	3.612941	0.219548	0.159900	0.125500	-0.057200	-0.083600
F19	F27	3.472580	0.089796	0.065400	0.064500	0.002500	-0.008300
F16	F26	3.463640	0.095151	0.069300	0.064500	0.019100	-0.004600
F22	F31	3.470609	0.097897	0.071300	0.065700	0.014000	-0.014100
F17	F24	3.475502	0.093229	0.067900	0.063800	0.009400	-0.007400
F30	F23	3.465232	0.098172	0.071500	0.064000	0.024200	-0.005400
F20	F28	3.478258	0.090620	0.066000	0.063700	0.005600	-0.004800
F16	C13	2.856168	0.315935	0.230100	0.149400	-0.008200	0.013900
O2	C15	3.262454	0.418363	0.304700	0.154400	-0.247100	0.001000
F22	C13	4.125073	0.292181	0.212800	0.163400	-0.013700	-0.017100
F19	C21	4.564516	0.387745	0.282400	0.196800	0.095700	0.013800
F23	C12	3.789923	0.276254	0.201200	0.148000	-0.009000	-0.005500
F20	C12	3.905752	0.308795	0.224900	0.165200	-0.004600	-0.035800
F23	N3	3.303110	0.884233	0.644000	0.215800	-0.099100	-0.032200
F17	C14	2.995694	0.337629	0.245900	0.162600	0.022400	0.011100
C14	C15	4.102295	0.300282	0.218700	0.130300	-0.097600	-0.051700
C12	C18	3.246737	0.280099	0.204000	0.127200	-0.084400	-0.037900
F19	C14	4.255633	0.275842	0.200900	0.147500	0.069200	0.022900
F20	C21	3.382686	0.486603	0.354400	0.185300	-0.049100	-0.015500
F17	C18	4.047126	0.388431	0.282900	0.200100	-0.073700	-0.057600
N3	C21	4.403277	1.458573	1.062300	0.185300	-0.247000	-0.133200

C13	C21	3.868727	0.248931	0.181300	0.124200	-0.001700	-0.017100
H8	H10	3.738825	0.294104	0.214200	0.166900	-0.005100	-0.014200
H6	H9	3.721138	0.297536	0.216700	0.166600	0.005300	-0.012900
F19	H10	1.108672	3.331043	3.005100	0.368100	2.455900	-0.224000
H7	H9	3.530848	0.300282	0.218700	0.170000	0.036000	-0.024800
H8	H11	3.542777	0.293143	0.213500	0.170300	0.036300	-0.024800
F19	F31	4.019401	0.633929	0.461700	0.388300	0.381000	0.182200
O2	C18	4.003770	0.409850	0.298500	0.142000	0.034600	-0.010300
F28	H11	4.867532	2.367933	1.724600	0.346700	0.214800	-0.040800
O2	F31	3.699132	0.221745	0.161500	0.183800	0.495100	0.038000
C14	C4	4.297570	4.182846	1.015900	0.193200	-0.464200	-0.136300
C13	C5	4.315669	4.153201	1.008700	0.193700	-0.461600	-0.143600
F28	N3	4.698069	0.932290	0.679000	0.224000	0.084900	-0.085600
C14	F24	4.682788	2.035221	0.494300	0.290600	-0.108900	-0.000200
F28	C12	3.017491	1.669598	0.405500	0.264900	-0.117500	0.052100
F29	H9	4.162635	3.781197	2.753900	0.321300	0.348300	-0.092200
O2	C21	3.959208	1.274741	0.309600	0.119000	0.253300	-0.011400
C21	C4	5.232490	5.461293	1.326400	0.219300	-0.624900	-0.205400
O2	F17	4.018515	0.508908	0.123600	0.086800	-0.078600	0.000800
Si1	H7	4.072361	0.304127	0.221500	0.173700	-0.026900	-0.050700
Si1	H11	4.110974	0.970466	0.235700	0.176400	-0.010300	-0.040000
F24	H8	4.022179	2.322486	1.691500	0.440700	0.530300	0.105200
F30	N3	5.832738	3.112739	0.756000	0.342500	-0.937300	-0.245700
F22	O2	3.936190	0.524554	0.127400	0.090200	0.015100	-0.006700
F23	H7	4.073645	5.129432	1.245800	0.292400	-0.309300	-0.049000
F31	C13	3.703545	0.594386	0.432900	0.278200	0.278800	0.112000
F20	O2	3.962385	0.585491	0.142200	0.084100	0.089600	-0.005200
Si1	F25	4.165232	0.346272	0.084100	0.072200	-0.022300	-0.011500
N3	C12	3.628162	0.905241	0.659300	0.111700	0.582100	-0.056000
Si1	F29	4.178261	0.347095	0.084300	0.072200	-0.022400	-0.012300
H9	H8	4.130252	0.639841	0.155400	0.135900	0.031900	-0.023200
F31	H7	5.556608	4.236372	1.028900	0.262400	-0.386300	-0.224700
O2	F26	3.321679	1.816588	0.441200	0.250900	-0.106900	-0.012200
F23	H6	3.656635	2.385096	1.737100	0.348900	0.033100	-0.060600
F20	F16	3.727236	1.114987	0.270800	0.195900	0.045600	0.006800
F22	F24	4.915701	1.991988	0.483800	0.286100	-0.153900	-0.003600
F31	C5	4.741416	1.288317	0.938300	0.267700	0.085000	-0.034300
Si1	F32	4.147993	0.363565	0.088300	0.071300	0.028000	-0.018600
F23	F17	3.778731	1.233155	0.299500	0.187700	0.065600	0.025900

C18	C5	5.496821	4.820629	1.170800	0.213000	-0.552200	-0.121000
F19	H11	4.060985	4.530765	1.100400	0.274800	-0.233600	-0.093100
F31	H10	4.913670	2.330724	1.697500	0.380600	0.014100	-0.085200
O2	F27	4.752308	1.516019	0.368200	0.206000	-0.006400	-0.069600
N3	C18	4.805394	2.591891	0.629500	0.168000	-0.020300	-0.113300
F32	H8	4.149451	3.625357	2.640400	0.311400	0.407100	-0.103300
F19	F22	5.106397	1.138867	0.276600	0.185200	0.101800	0.005000
C21	H6	3.866147	3.268909	2.620900	0.368900	1.131800	-0.249300
F28	H10	5.166119	2.768035	2.016000	0.329800	0.528300	-0.150200
F17	F28	4.044097	1.551429	0.376800	0.266200	-0.083200	0.028300
F16	C14	4.115455	0.472675	0.114800	0.092900	-0.019200	-0.013900
F24	H7	4.361853	4.098440	0.995400	0.412000	-0.223000	0.161100
F23	C13	4.444673	0.445912	0.108300	0.092600	0.003800	0.001100
Si1	H6	4.418921	1.116222	0.271100	0.182500	-0.023100	-0.106400
F19	C12	4.054183	0.436854	0.106100	0.092000	0.004700	0.000100
Si1	H10	4.369713	1.205157	0.292700	0.189500	0.000200	-0.110000
N3	F24	3.111294	1.004923	0.731900	0.244700	0.883000	0.041900
F30	O2	4.641453	1.422143	0.345400	0.224400	0.174800	-0.084700
F16	N3	3.910550	0.832882	0.606600	0.165400	0.953300	-0.034700
C14	H6	4.220298	2.255345	1.642600	0.304200	0.295000	-0.157900
F27	H9	5.425291	7.540982	1.831500	0.287300	-0.128200	-0.171600
F19	C4	4.485740	3.842339	0.933200	0.203100	0.131800	-0.129900
F20	F31	3.224204	2.120862	0.515100	0.277500	0.225500	0.102700
F24	C4	4.078556	3.902865	0.947900	0.325900	0.401300	0.111700
F30	H8	5.314023	7.524512	1.827500	0.332600	-0.157100	-0.261600
F22	F16	4.047530	0.705719	0.171400	0.145300	-0.094000	-0.013300
F22	H8	4.541927	5.808388	1.410700	0.252300	-0.317900	-0.139500
C13	H10	3.871327	2.453061	1.786600	0.295200	0.650400	-0.196500
F20	H9	4.339854	6.055431	1.470700	0.265600	-0.188500	-0.139200
F20	N3	4.580010	2.062807	0.501000	0.169100	-0.356800	-0.147600
F20	F32	4.760442	1.342678	0.326100	0.225200	-0.173400	-0.091400
C13	H11	4.732479	3.647175	0.885800	0.224000	-0.138500	-0.075000
F20	F23	4.618744	0.760480	0.184700	0.151200	0.000700	-0.013400
F31	H9	3.625755	2.840394	2.068700	0.331700	1.376200	0.075100
C14	C18	4.601786	0.489968	0.119000	0.094400	-0.032500	-0.020000
C13	C15	4.308785	0.470205	0.114200	0.093700	-0.033400	-0.027100
C14	H7	4.860333	3.256024	0.790800	0.210800	-0.296800	-0.101500
C21	C12	4.374064	0.546788	0.132800	0.096100	-0.023500	-0.024000
F22	F25	4.812665	1.165630	0.283100	0.203800	-0.117100	-0.073200

F22	N3	4.885769	1.745769	0.424000	0.172700	-0.245400	-0.111100
F19	F17	5.034282	0.757598	0.184000	0.156200	0.054900	-0.016900
F27	C15	4.525833	0.825946	0.200600	0.174700	-0.132800	-0.117700
F16	H9	3.860589	2.067926	1.506100	0.313600	0.973600	-0.062800
C21	F26	5.522620	1.146690	0.278500	0.181600	-0.161700	-0.115700
F30	C18	4.697157	1.026463	0.249300	0.175400	-0.142800	-0.109000
O2	F25	4.565584	1.194452	0.290100	0.162800	-0.265500	0.026000
F16	F29	3.577221	1.143808	0.277800	0.200500	-0.064000	-0.006200
C14	C5	4.485845	2.541659	0.617300	0.185800	0.299200	-0.088900
F23	F16	4.997123	0.797948	0.193800	0.159600	-0.007700	-0.013200
F17	F29	5.284244	1.266094	0.307500	0.223700	-0.017800	-0.098300
F19	F16	3.805285	0.920234	0.223500	0.154000	-0.001500	0.023000
F23	F25	5.525271	1.079165	0.262100	0.204900	-0.048200	-0.034600
C12	H8	3.877436	1.593680	1.160700	0.241300	0.785900	-0.021000
C13	C4	4.520849	2.596832	0.630700	0.152600	0.322400	-0.129700
F19	H8	3.897330	2.117355	1.542100	0.246900	1.145500	-0.101200
F19	F23	4.981001	0.775714	0.188400	0.157300	0.069000	0.038600
C18	H11	5.541007	5.474468	1.329600	0.285300	-0.043700	-0.041600
F19	H6	4.851375	6.792854	1.649800	0.294300	0.242300	-0.192100
C15	H8	4.227637	5.880030	1.428100	0.317100	0.463100	0.018500
F30	C4	6.708650	3.077330	0.747400	0.339400	-1.088800	-0.290200
C14	H9	4.065293	1.757345	1.279900	0.230700	0.854600	-0.067100
F19	F32	5.885482	1.051991	0.255500	0.188800	0.096500	-0.012400
F29	C12	4.531734	0.710248	0.172500	0.118800	-0.049500	-0.050900
C12	H9	3.987066	1.543564	1.124200	0.231300	0.772300	-0.081400
F22	C18	4.927949	0.899648	0.218500	0.177000	-0.068400	-0.030500
C14	F25	5.164508	0.772420	0.187600	0.121000	-0.053800	-0.049200
F32	C13	5.207555	0.625430	0.151900	0.130700	-0.042400	-0.053900
F32	N3	5.702362	2.753292	0.668700	0.174300	-0.530500	-0.059200
F26	H8	4.358351	5.602519	1.360700	0.394000	-0.224300	-0.046800
C13	H8	4.194057	4.455417	1.082100	0.201100	0.791300	-0.121400
N3	C15	3.768079	3.569357	0.866900	0.154300	0.723400	-0.018800
C21	C5	5.416720	3.557416	0.864000	0.250700	0.005300	-0.122100
F22	F27	4.646615	1.225332	0.297600	0.228300	-0.162100	-0.051600
F20	C15	5.292293	1.039227	0.252400	0.177200	-0.008400	-0.056900
F16	H11	5.518931	3.133326	0.761000	0.341300	0.062400	0.066600
O2	F29	4.971554	1.187041	0.288300	0.155900	0.083700	0.027900
F17	C21	4.211092	1.028110	0.249700	0.181400	0.005000	0.000000
F30	H9	5.895059	6.244830	1.516700	0.471500	-0.055300	-0.196300

F16	C5	4.708319	3.335078	0.810000	0.218100	0.633200	-0.009600
F27	C14	4.617181	0.814418	0.197800	0.143300	-0.069100	-0.050000
F30	C12	4.516107	0.877002	0.213000	0.142100	-0.083300	-0.050000
F32	F26	6.202969	0.970878	0.235800	0.214600	-0.290700	-0.134700
C13	F26	5.092595	0.867944	0.210800	0.138700	-0.032000	-0.057000
C12	C4	4.332123	2.894106	0.702900	0.135200	0.595300	-0.006000
F29	C5	6.575983	4.475180	1.086900	0.282500	-1.098800	-0.071400
F20	F26	5.989005	1.342266	0.326000	0.231600	-0.054300	-0.089600
F30	F17	4.268509	1.151631	0.279700	0.240000	-0.049900	-0.009000
F30	H6	5.152685	3.567827	2.598500	0.475600	0.889600	-0.359700
F32	C4	6.403323	4.294427	1.043000	0.237100	-1.075600	-0.100100
C18	H10	5.286612	7.713500	1.873400	0.294500	0.422600	-0.162400
F23	C5	3.702484	1.234632	0.899200	0.207900	0.955600	-0.026200
C21	H7	5.902466	3.631117	0.881900	0.219300	-0.370900	-0.174400
C12	C5	4.426506	2.589832	0.629000	0.128700	0.573700	-0.035200
C21	H9	4.640228	7.007369	1.701900	0.299400	0.872500	-0.063600
F27	F25	4.849165	1.032639	0.250800	0.210600	-0.121500	-0.125800
F30	C5	6.531604	3.790048	0.920500	0.434800	-0.547400	-0.255500
F30	F29	5.442448	1.079989	0.262300	0.209700	-0.140600	-0.109700
C13	F24	4.274783	0.822653	0.199800	0.138600	-0.059500	-0.000300
F28	C14	5.061266	0.730423	0.177400	0.138600	-0.042600	0.004700
F31	H11	5.003908	4.433183	1.076700	0.247500	0.720400	-0.076900
C18	C15	4.405983	0.723835	0.175800	0.131100	-0.088800	-0.036500
F20	C5	5.469900	2.124568	0.516000	0.206700	-0.736000	-0.143300
C21	C15	5.566947	0.877414	0.213100	0.134000	-0.087000	-0.052600
F27	N3	5.291813	2.588185	0.628600	0.192000	0.327900	-0.143700
C21	H10	5.843854	5.950849	1.445300	0.374200	-0.091400	-0.176300
O2	F32	4.889537	1.183747	0.287500	0.123400	0.353200	0.029400
F22	C4	5.694562	1.763886	0.428400	0.193000	-0.728600	-0.119200
C12	H7	4.900960	2.194975	0.533100	0.248000	0.192300	0.053500
N3	F29	5.799407	2.844286	0.690800	0.208400	-0.224900	-0.070800
C21	C18	5.075514	0.684720	0.166300	0.125900	0.016200	-0.021100
F32	H6	5.101694	10.580020	2.569600	0.384500	0.539700	-0.138700
F31	C12	4.973628	0.829240	0.201400	0.125100	0.118900	0.023900
F19	H7	4.594134	3.146502	0.764200	0.203300	0.499400	-0.108700
F30	H10	5.823426	9.074706	2.204000	0.559600	0.523600	-0.331500
F17	N3	4.696750	1.533312	0.372400	0.125800	0.469700	-0.080300
F28	C4	4.773855	3.510066	0.852500	0.219900	1.245300	-0.061600
C14	H10	5.219366	3.819282	0.927600	0.283400	0.139200	-0.124700

C4	C15	4.453924	3.350724	0.813800	0.215900	0.455200	0.042800
C12	H11	4.983252	2.156272	0.523700	0.249300	0.242800	0.037000
F27	C5	6.481909	3.352783	0.814300	0.234300	-0.462100	-0.131900
F28	C15	3.773169	1.609072	0.390800	0.292800	-0.142000	0.063500
F16	H7	5.357416	3.938274	0.956500	0.316500	0.601900	0.073200
F16	C4	4.558029	4.026386	0.977900	0.201600	1.267600	0.020200
F24	H11	3.299468	4.485062	1.089300	0.378200	0.759300	0.112500
C15	H7	4.893332	2.971925	0.721800	0.333100	-0.143900	0.114900
C21	F24	6.098159	2.036456	0.494600	0.310200	-0.100400	0.001700
F16	H8	3.795354	3.019850	2.199400	0.281600	1.947600	0.004600
N3	F26	3.899101	2.902753	0.705000	0.256800	0.640500	-0.064900
C13	H6	5.183597	3.929216	0.954300	0.240800	0.292900	-0.176500
F30	F27	4.460441	1.099752	0.267100	0.195700	-0.164500	-0.069100
F27	F26	5.570075	0.981995	0.238500	0.207200	-0.149800	-0.103800
F27	F24	4.829618	1.036345	0.251700	0.197600	-0.087300	-0.110400
C14	H11	5.001307	2.695237	0.654600	0.175300	0.384600	-0.069700
F30	F28	5.629126	1.233155	0.299500	0.207700	-0.096400	-0.132600
C13	H7	4.993529	2.412373	0.585900	0.164500	0.377100	-0.093000
F31	F26	6.124065	1.273917	0.309400	0.221900	-0.096200	-0.114300
F30	F26	6.043592	1.121574	0.272400	0.200400	-0.116500	-0.085400
F23	H9	3.164921	3.056098	2.225800	0.224900	1.918700	-0.016400
F24	C5	2.940350	3.839045	0.932400	0.265000	1.395500	0.068000
F32	C12	5.298812	0.633665	0.153900	0.121100	-0.062700	-0.042500
F28	H7	5.148632	5.032262	1.222200	0.269700	1.001500	-0.036000
F28	F24	3.561225	1.753180	0.425800	0.349300	-0.178000	0.068800
F23	H11	4.402666	4.441830	1.078800	0.223000	0.715800	-0.028300
C13	F25	5.168948	0.571081	0.138700	0.115000	0.004800	-0.023500
F29	C14	5.668362	0.550905	0.133800	0.114700	0.011000	-0.015500
F26	C4	4.547639	3.424837	0.831800	0.328500	0.018000	-0.016600
F24	H6	4.219662	6.826616	1.658000	0.344900	1.309300	0.123500
F23	H10	4.198041	6.024139	1.463100	0.284800	0.953200	-0.039800
F29	H10	5.302115	10.324330	2.507500	0.387800	0.795200	-0.123600
F31	F24	6.496663	1.658069	0.402700	0.353700	-0.108700	0.006300
F29	H11	6.186676	6.409937	1.556800	0.336600	-0.104700	0.006500
F24	C18	4.390916	1.013287	0.246100	0.174200	-0.094400	-0.016900
F31	C18	5.096260	1.796001	0.436200	0.291400	0.316200	0.112300
F22	F28	5.340350	0.826358	0.200700	0.180100	-0.077200	0.008700
F27	H11	6.721368	4.499061	1.092700	0.336700	-0.152800	-0.051700
F17	F32	4.953183	1.136397	0.276000	0.221200	-0.119700	-0.045700

F20	F24	5.438867	1.149984	0.279300	0.179000	-0.014300	-0.019700
F23	C18	5.668271	0.459088	0.111500	0.097400	-0.027000	-0.010700
F24	H9	2.041968	3.579910	2.607300	0.314700	2.205100	0.016900
C18	C4	5.262245	3.967096	0.963500	0.155200	0.847300	-0.094900
F19	C15	4.974959	0.435619	0.105800	0.096700	-0.005300	-0.002000
F20	H8	5.053022	3.300492	0.801600	0.236500	0.447000	-0.149200
F16	C21	5.168389	0.501909	0.121900	0.096800	0.007200	-0.013400
F17	H9	5.549399	3.400956	0.826000	0.243700	0.417100	-0.119300
F31	C15	6.141409	0.842416	0.204600	0.166900	-0.014100	-0.032200
F20	H10	4.869227	6.529753	1.585900	0.329400	0.323400	-0.207300
F22	F29	6.048888	1.022757	0.248400	0.216900	0.001900	-0.047400
F32	C15	6.387065	1.011640	0.245700	0.174100	-0.133900	-0.060400
F28	H8	3.998298	2.739613	1.995300	0.238800	2.242100	-0.048500
F28	C21	5.787578	0.970466	0.235700	0.149400	0.066000	-0.019000
C21	H11	5.721414	3.587473	0.871300	0.221900	0.497400	-0.117000
F20	C4	5.407528	2.023692	0.491500	0.182100	0.080500	-0.149000
F30	C15	5.892457	0.901706	0.219000	0.145100	-0.097900	-0.055700
F20	F25	6.110123	1.133515	0.275300	0.214800	0.048800	-0.065900
C18	F26	5.465616	0.783949	0.190400	0.144700	-0.079800	-0.051900
C18	F25	4.927268	1.002582	0.243500	0.168600	-0.071200	-0.032700
F26	H7	4.571590	3.898335	0.946800	0.421500	-0.199600	0.064300
F27	C21	5.040051	0.898412	0.218200	0.147600	-0.017200	-0.031400
F31	F17	5.063943	0.902530	0.219200	0.178200	0.176700	0.051500
F30	H7	6.835204	3.265906	0.793200	0.326000	-0.325200	-0.255100
F17	H8	4.575597	4.105028	0.997000	0.233100	0.653900	-0.037900
F22	H6	5.774725	5.182135	1.258600	0.304600	-0.041200	-0.152800
F28	H6	5.446582	8.096004	1.966300	0.264700	1.397100	-0.097700
F22	H9	5.390751	4.394480	1.067300	0.244100	0.606100	-0.091200
C21	F29	5.936713	0.927234	0.225200	0.166400	0.038900	-0.010200
F31	F28	5.821479	1.694302	0.411500	0.313200	0.361900	0.097000
F22	H7	5.850847	2.677944	0.650400	0.224200	-0.300900	-0.069000
F22	C5	5.663242	1.963167	0.476800	0.183700	0.277200	-0.096900
C5	C15	4.066299	3.695760	0.897600	0.172000	1.095800	0.013600
F30	F16	5.058559	0.816476	0.198300	0.156600	-0.097400	-0.050700
F20	H11	5.814005	2.756586	0.669500	0.220000	-0.196400	-0.073800
F23	F27	5.823576	0.776950	0.188700	0.158600	-0.056100	-0.057900
F19	F24	4.610712	0.845710	0.205400	0.173800	-0.061300	0.034300
F28	F25	4.176876	1.876290	0.455700	0.329700	-0.143700	0.089500
C15	H9	3.559736	8.455863	2.053700	0.248200	1.524900	-0.037200

F23	F28	5.957443	0.824711	0.200300	0.174900	-0.056800	0.022600
C12	H6	5.216990	5.565874	1.351800	0.160600	0.713700	-0.023600
C15	H11	4.512619	3.638529	0.883700	0.298800	0.552500	0.083400
F32	F24	6.991214	2.111392	0.512800	0.352700	-0.080900	0.029100
F32	H7	6.622455	4.125615	1.002000	0.259500	-0.380700	-0.070000
C18	H8	4.631516	7.015192	1.703800	0.192400	1.623800	-0.092200
F19	F26	5.729650	0.819770	0.199100	0.154800	0.009700	-0.039100
F16	H10	5.209975	6.957137	1.689700	0.225300	1.116800	-0.013400
C12	H10	5.341302	5.478174	1.330500	0.153800	0.634200	-0.051400
F30	H11	6.732384	3.693702	0.897100	0.402400	0.111100	-0.230500
F17	C5	5.783155	1.837587	0.446300	0.143800	0.361200	-0.068900
F25	H8	5.062793	6.877672	1.670400	0.345000	0.920000	0.065500
N3	F25	4.864403	3.291434	0.799400	0.163200	0.921300	0.015500
C18	H7	5.702018	4.070030	0.988500	0.196600	0.765100	-0.059800
F17	C4	5.170228	2.051690	0.498300	0.130000	0.551600	-0.028100
F30	F24	6.507727	1.544429	0.375100	0.269600	-0.145100	-0.021700
F16	F31	5.662132	0.914882	0.222200	0.156800	0.178900	0.044500
F27	H10	6.571162	5.738393	1.393700	0.282500	0.230900	-0.158800
F28	F26	4.942784	1.407732	0.341900	0.258500	-0.097300	0.038300
F32	C5	6.105645	3.717994	0.903000	0.237000	0.413900	-0.059800
F31	F29	5.779321	1.982518	0.481500	0.349200	0.349900	0.157300
C18	H6	5.930109	6.038138	1.466500	0.224200	0.904500	-0.132900
C15	H6	4.967974	6.051313	1.469700	0.234300	1.020400	0.036600
F20	H6	5.958461	3.601061	0.874600	0.286900	0.020200	-0.203300
F16	H6	5.385488	9.236519	2.243300	0.200200	1.400700	0.011600
F24	H10	3.737447	9.591437	2.329500	0.271000	1.678000	0.085400
F32	H10	6.804683	5.737981	1.393600	0.367700	-0.007800	-0.105300
F32	H9	5.406829	8.629205	2.095800	0.294200	1.317200	-0.026600
F17	H11	6.289850	1.748651	0.424700	0.243600	0.136600	0.014500
F29	C15	5.612189	0.622136	0.151100	0.122100	-0.038300	-0.047300
F25	H7	5.959949	3.192616	0.775400	0.376400	0.013700	0.185800
F32	C18	6.352388	0.621313	0.150900	0.136700	-0.035100	-0.058500
C21	F25	6.584426	0.774479	0.188100	0.126000	-0.039000	-0.049300
F31	F27	5.349583	1.492962	0.362600	0.250400	0.278600	0.076600
F27	C4	5.703549	3.628235	0.881200	0.187100	1.125100	-0.117600
F17	H7	5.728120	2.065278	0.501600	0.227500	0.249300	0.038800
F25	C4	5.451354	3.503890	0.851000	0.246000	0.757200	0.096800
F20	H7	5.918440	1.905935	0.462900	0.177700	0.282300	-0.101800
F22	H10	6.371793	3.276611	0.795800	0.288300	0.239600	-0.139800

F26	H6	5.012329	5.173076	1.256400	0.353900	0.624700	-0.033600
F26	C5	4.236436	2.812994	0.683200	0.244300	1.197300	-0.032500
F22	H11	6.131018	2.292557	0.556800	0.177100	0.309600	-0.055600
F27	H8	5.058424	8.124003	1.973100	0.230200	1.722500	-0.125500
F26	H9	4.092119	8.662968	2.104000	0.265400	1.514900	-0.070000
F29	C4	6.158764	3.567298	0.866400	0.205100	0.828200	-0.064100
F16	F32	6.200986	0.480087	0.116600	0.108300	-0.018300	-0.025500
F23	F29	6.732123	0.470205	0.114200	0.102900	0.024200	0.002000
F19	F25	5.900137	0.474734	0.115300	0.103200	0.029400	0.003800
F26	H11	4.577401	4.443065	1.079100	0.334200	0.711500	0.036300
F27	H7	6.345483	4.781925	1.161400	0.259500	0.881000	-0.076900
C15	H10	5.013691	8.424983	2.046200	0.176700	1.194900	0.009100
F27	F32	6.229960	0.869179	0.211100	0.186300	-0.126600	-0.076900
F25	H11	5.599220	3.972860	0.964900	0.340700	0.586600	0.146200
F29	F24	5.461792	0.888531	0.215800	0.166300	-0.049300	-0.005600
F25	H9	4.524265	9.432918	2.291000	0.275500	1.657600	-0.011400
F25	C5	5.127442	3.629059	0.881400	0.196500	1.224800	0.056800
F32	F25	7.357258	0.890178	0.216200	0.176300	-0.102200	-0.074600
F30	F25	6.751051	0.934234	0.226900	0.164100	-0.032800	-0.048100
F29	F26	6.692438	0.951938	0.231200	0.162700	-0.018800	-0.069000
F17	H10	6.595404	4.177494	1.014600	0.195400	0.462300	-0.098400
F32	H11	6.467248	4.545999	1.104100	0.209600	0.791800	-0.049900
F29	H8	5.596737	7.773202	1.887900	0.217900	1.654900	-0.066100
F32	F28	6.996726	0.815241	0.198000	0.141700	0.057800	-0.026000
F29	F25	6.072887	0.831299	0.201900	0.169600	-0.024600	-0.056000
F32	F29	7.242272	0.840769	0.204200	0.185400	-0.015800	-0.066500
F31	F25	7.256414	0.793831	0.192800	0.156300	0.049100	-0.015900
F17	H6	6.159808	4.824746	1.171800	0.182300	0.536300	-0.057500
F29	H6	6.687377	6.104839	1.482700	0.293800	0.907100	-0.107000
F29	H7	6.553376	4.370187	1.061400	0.228600	0.812600	-0.027900
F27	H6	6.620101	7.679737	1.865200	0.220600	0.987200	-0.143300
F26	H10	5.144985	7.916487	1.922700	0.266500	1.260700	-0.050900
F25	H6	5.915988	7.548393	1.833300	0.255300	1.375100	0.093700
F25	H10	5.926081	9.416860	2.287100	0.194700	1.494700	0.057100

Table S5. Effective Cartesian coordinates (Å) of atoms in $(C_2F_5)_3SiONMe_2$ refined in conf1MD model.

N	At	An	Mass	X	Y	Z
1	Si	14	27.97692653	0.149533944174	-0.077126532691	0.275554136165
2	O	8	15.99491462	-0.062028308834	-0.861722725590	1.820533579052
3	N	7	14.00307401	1.014838779565	-0.321193721336	2.704907179352
4	C	6	12.00000000	1.760857211066	-1.521938578870	3.114008261511
5	C	6	12.00000000	0.282465536811	0.310711725027	3.813275124674
6	H	1	1.00782503	2.559386625378	-1.198938918959	3.787431311341
7	H	1	1.00782503	1.116702921260	-2.249249524277	3.626923375414
8	H	1	1.00782503	2.209820544680	-1.983915150870	2.235654972194
9	H	1	1.00782503	-0.311630121350	1.138784935976	3.430198428233
10	H	1	1.00782503	1.024825700827	0.705451228612	4.512513405221
11	H	1	1.00782503	-0.371053566159	-0.402650449591	4.334230578991
12	C	6	12.00000000	-1.241013840316	-0.932892151981	-0.819493776738
13	C	6	12.00000000	-0.422130518987	1.809653468562	0.345601541584
14	C	6	12.00000000	1.809602563853	-0.648903832575	-0.620966287493
15	C	6	12.00000000	-1.886646095280	-2.199132274900	-0.242140303842
16	F	9	18.99840320	-2.245841909579	-0.024631580681	-0.962812956415
17	F	9	18.99840320	-0.736444727090	-1.262512706964	-2.034976792070
18	C	6	12.00000000	-1.782061776732	2.153984895959	-0.277519546544
19	F	9	18.99840320	-0.490446159982	2.211711527880	1.643098348686
20	F	9	18.99840320	0.507452900647	2.557261059032	-0.303838666719
21	C	6	12.00000000	2.933565793279	0.361905694929	-0.896493868071
22	F	9	18.99840320	1.441696112267	-1.139188900270	-1.835035891032
23	F	9	18.99840320	2.362119585813	-1.643497043531	0.131425643663
24	F	9	18.99840320	-2.361693524283	-1.951887280699	0.977807633837
25	F	9	18.99840320	-2.886489290087	-2.605206959429	-1.013736744869
26	F	9	18.99840320	-0.989444917153	-3.177592216254	-0.156501788823
27	F	9	18.99840320	-1.764594780821	1.937850080680	-1.586717455751
28	F	9	18.99840320	-2.735065381982	1.389913866205	0.267352988875
29	F	9	18.99840320	-2.086860818220	3.425783393780	-0.058173050692
30	F	9	18.99840320	2.452623010490	1.422457185868	-1.539440727527
31	F	9	18.99840320	3.496849328371	0.769765550216	0.236611501989
32	F	9	18.99840320	3.870975527816	-0.201676034741	-1.649895086001

NMR-Spectra:

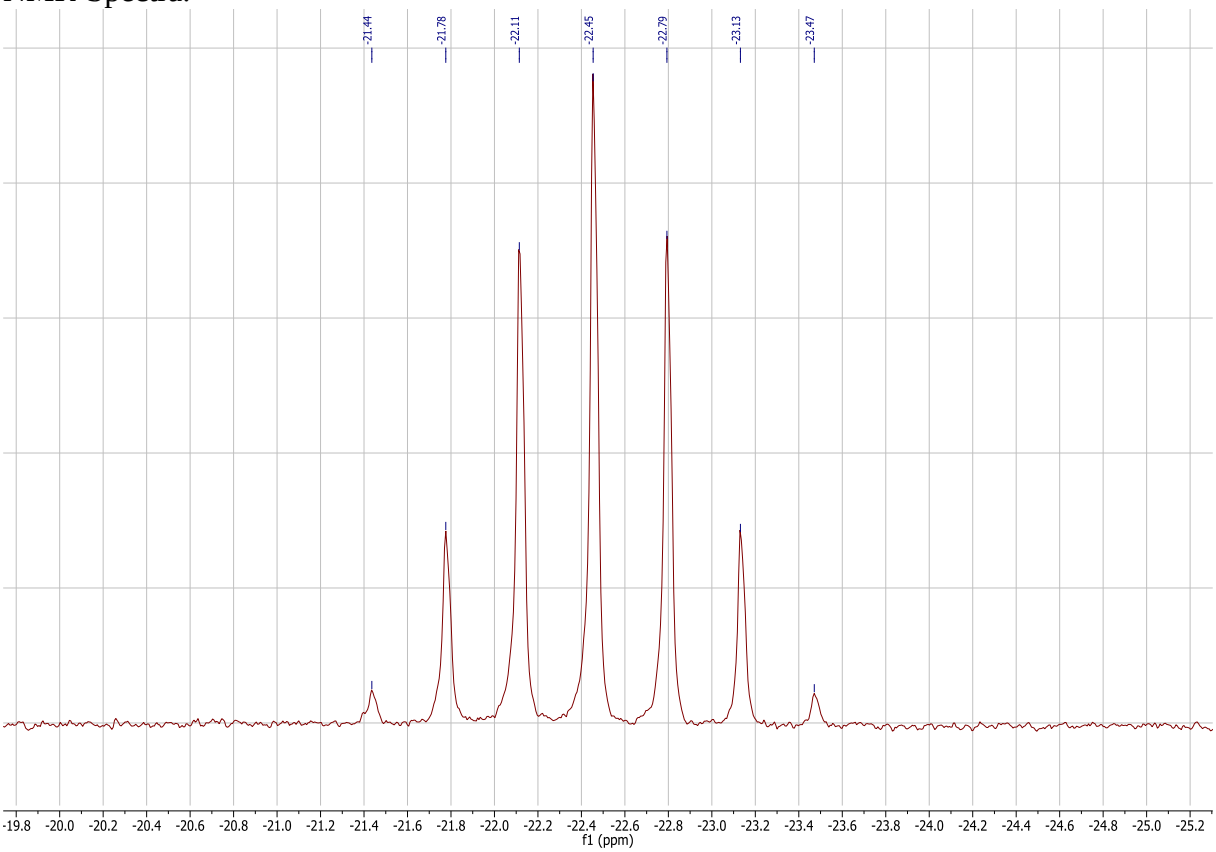

Figure S5: $^{29}Si\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2OMe$ in C_6D_6, measured at 293K, 99 MHz.

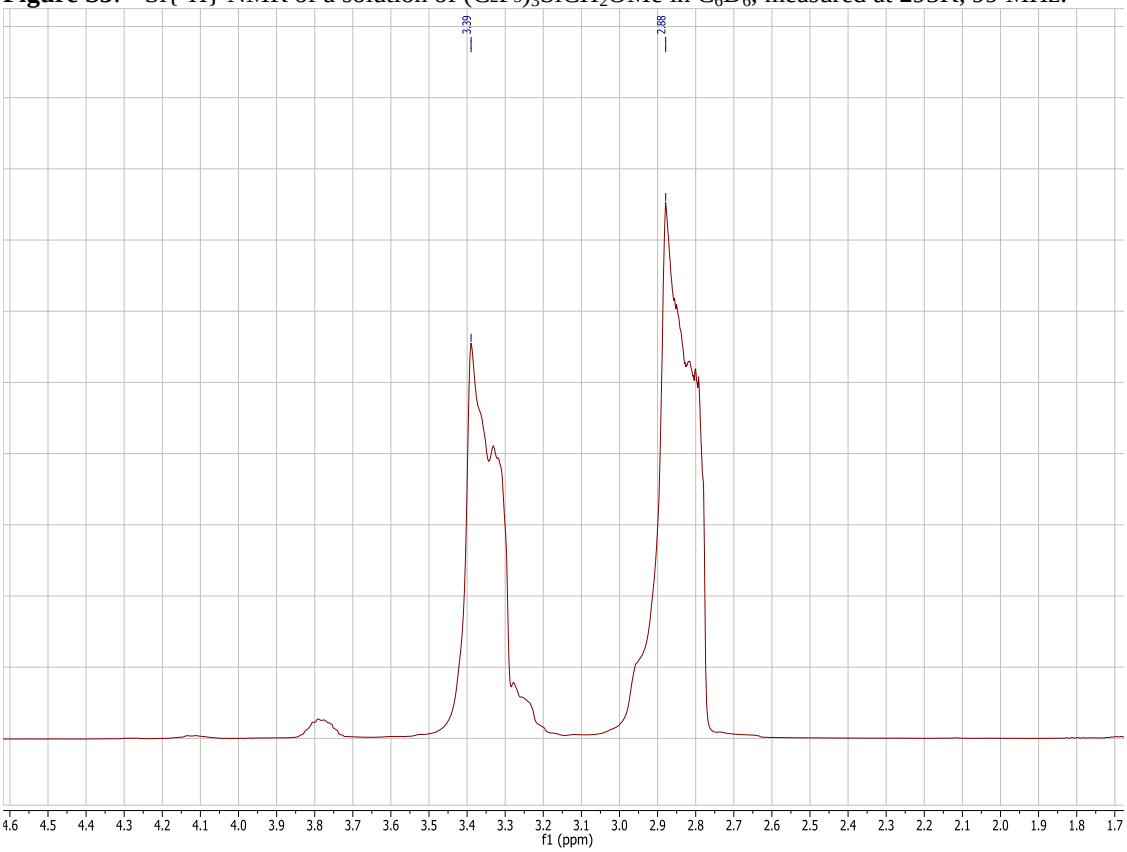

Figure S6: ^{1}H NMR of a solution of $(C_2F_5)_3SiCH_2OMe$ in C_6D_6, measured at 293K, 500 MHz.

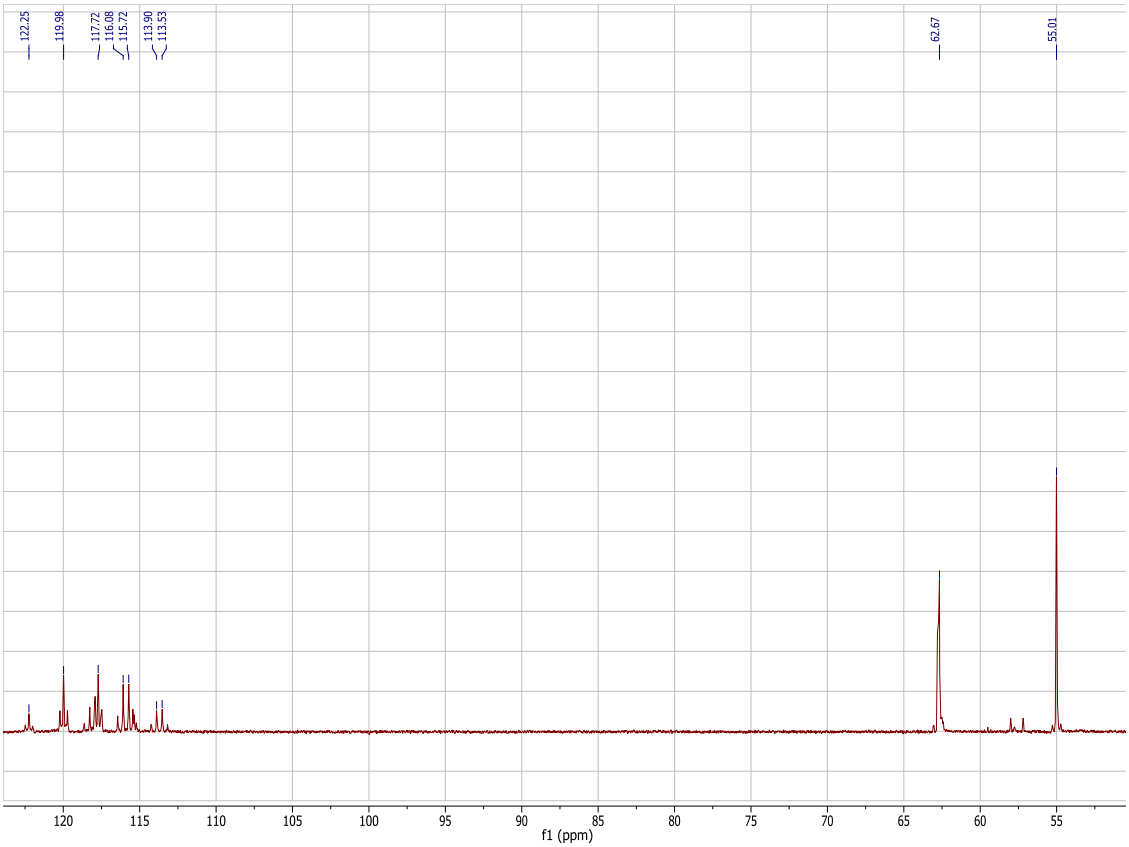

Figure S7: $^{13}C\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2OMe$ in C_6D_6, measured at 293K, 126 MHz.

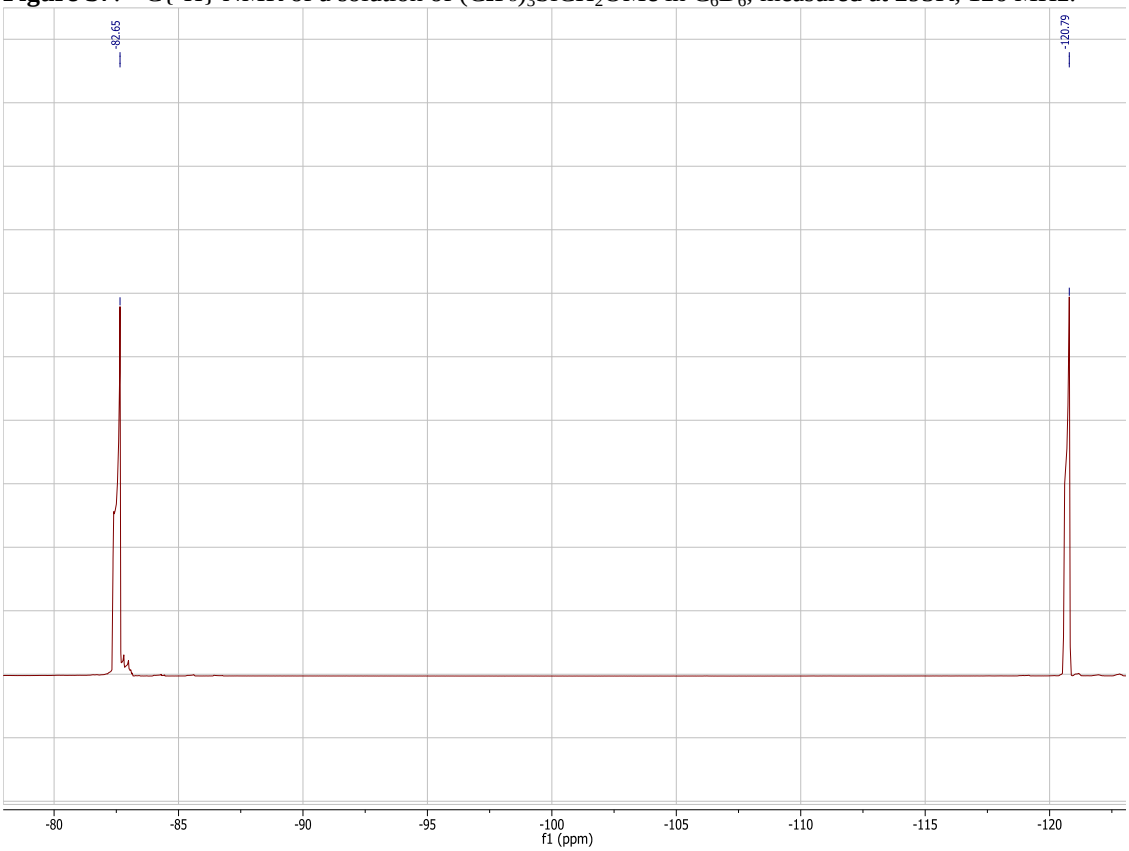

Figure S8: $^{19}F\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2OMe$ in C_6D_6, measured at 293K, 470 MHz.

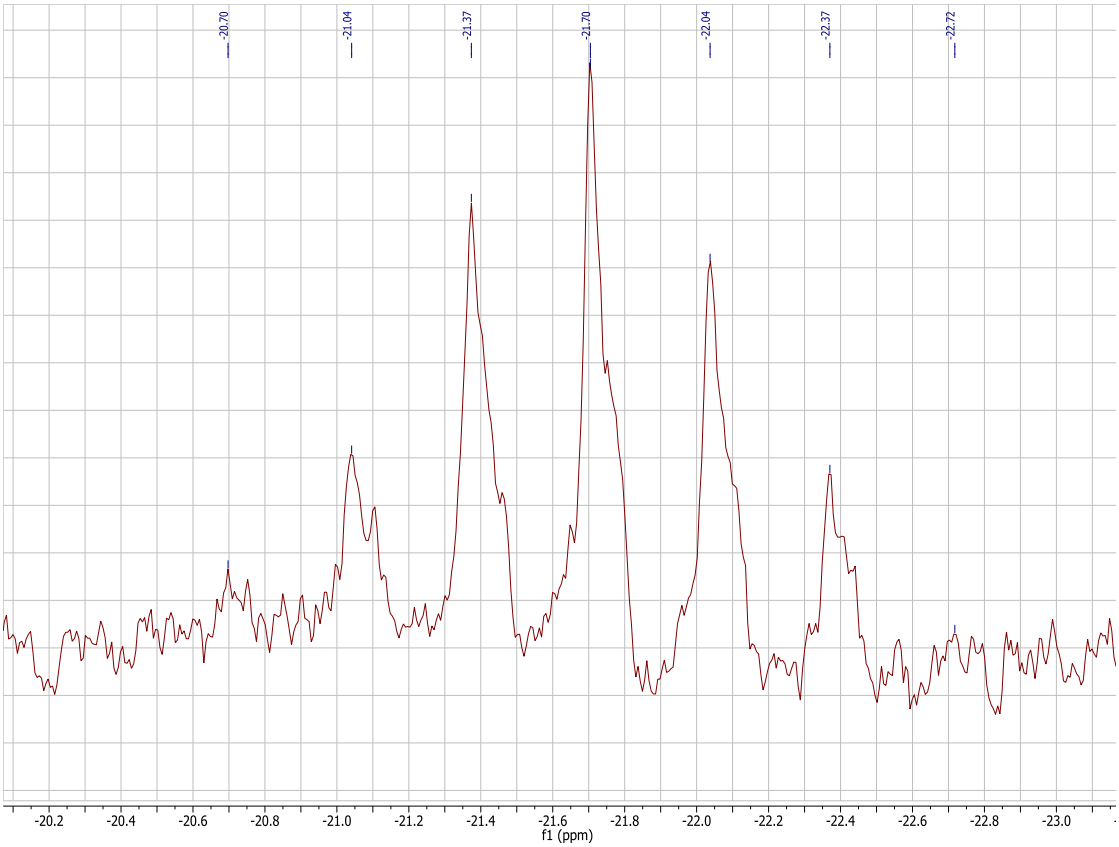

Figure S9: $^{29}Si\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2NMe_2$ in C_6D_6, measured at 293K, 99 MHz.

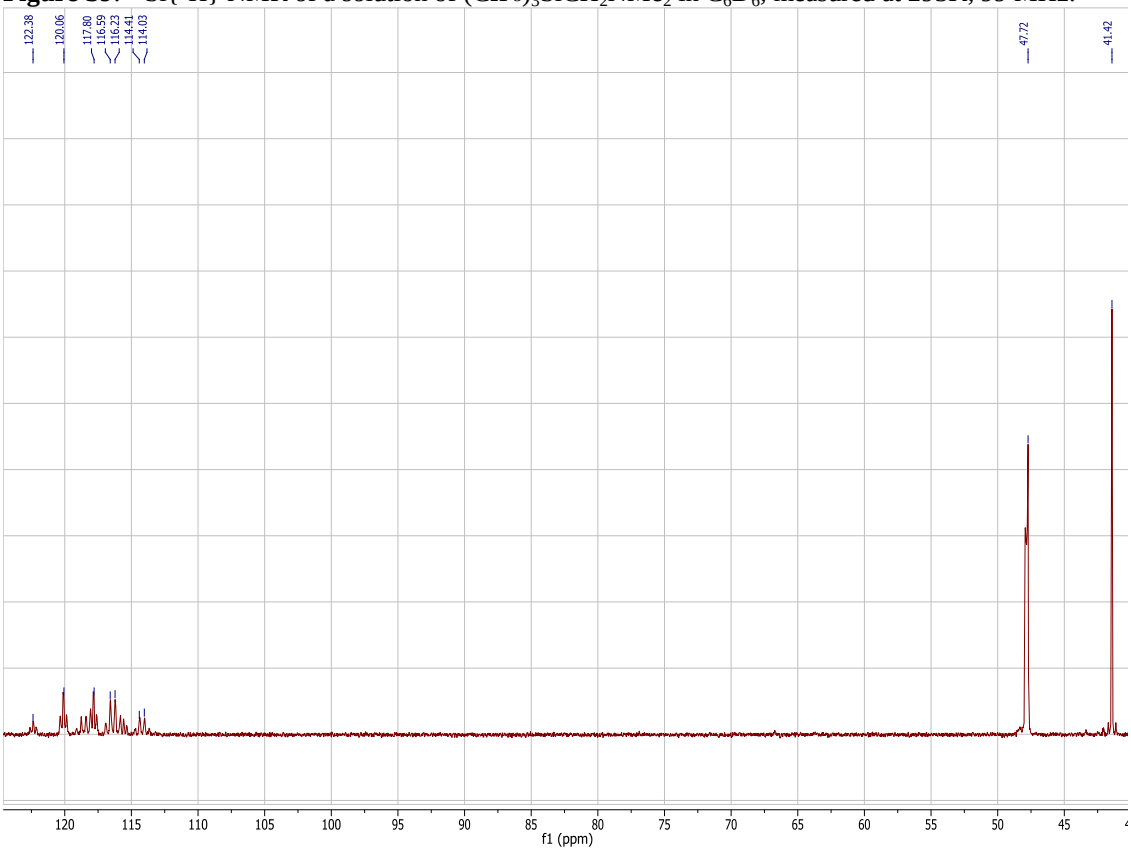

Figure S10: $^{13}C\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2NMe_2$ in C_6D_6, measured at 293K, 126 MHz.

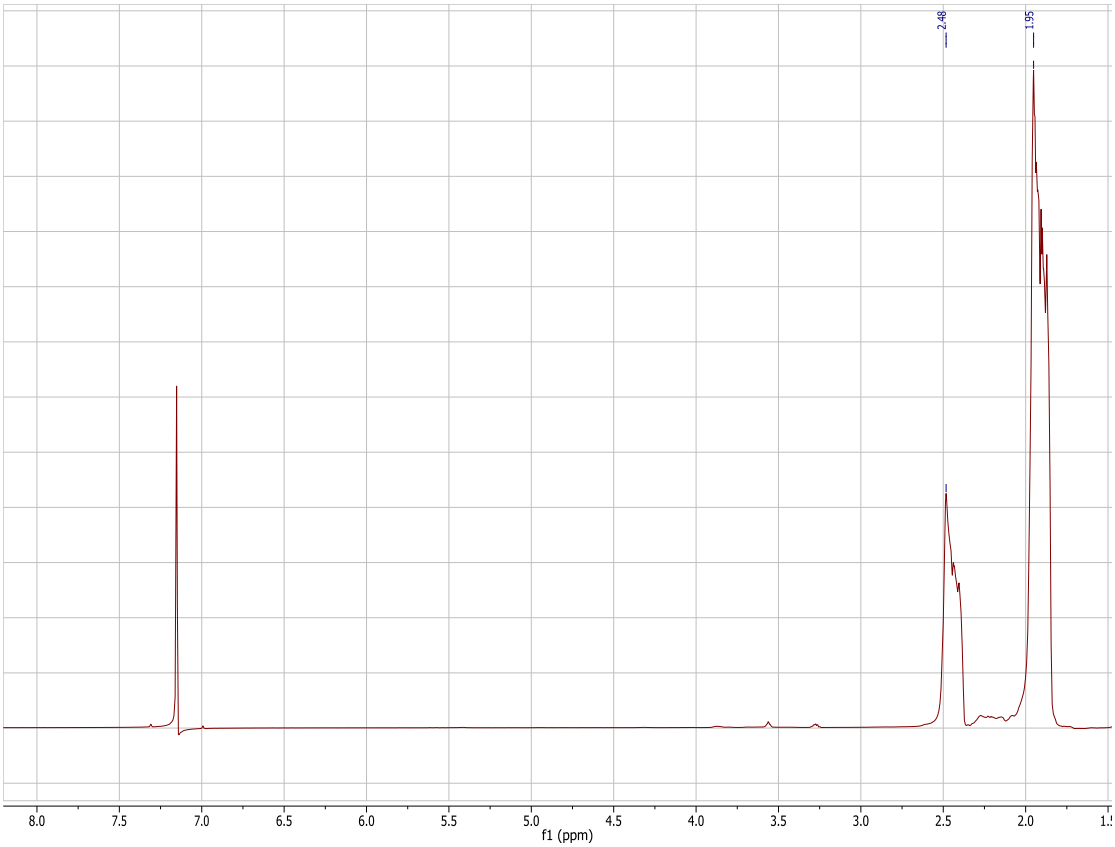

Figure S11: ^{1}H NMR of a solution of $(C_2F_5)_3SiCH_2NMe_2$ in C_6D_6, measured at 293K, 500 MHz.

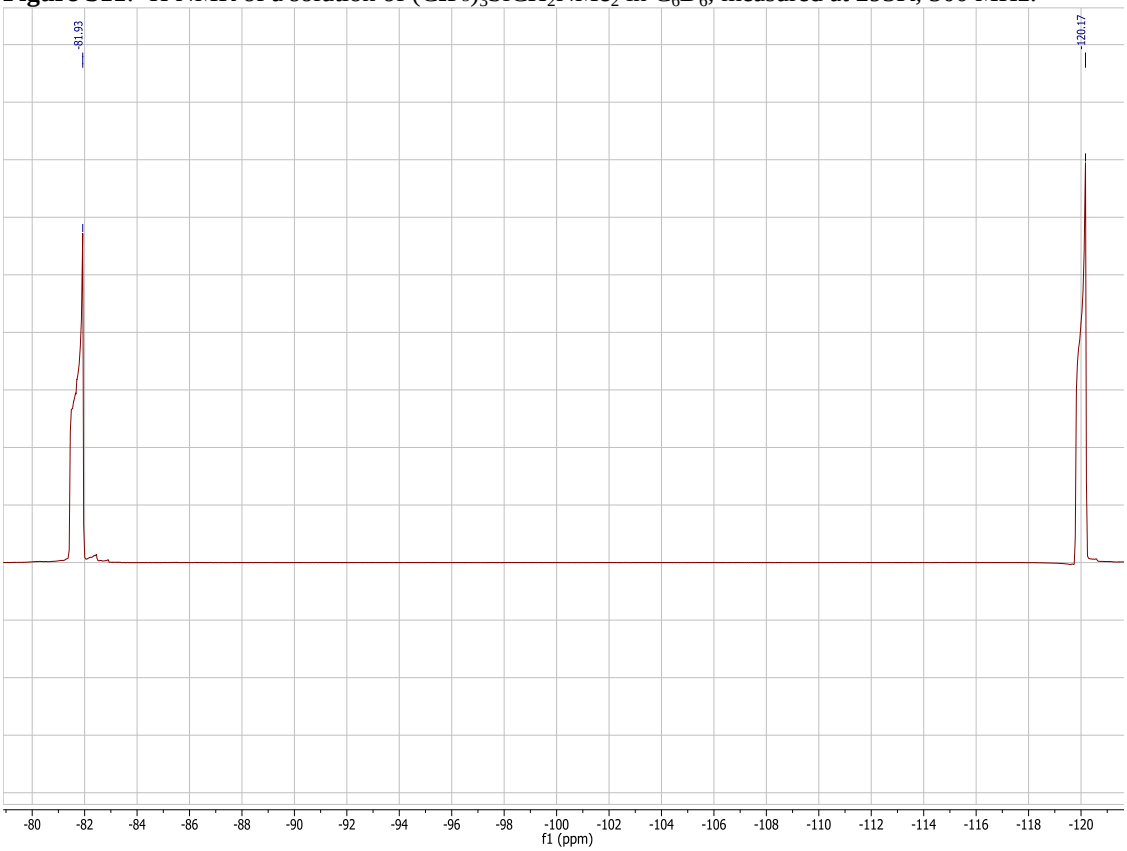

Figure S12: $^{19}F\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiCH_2NMe_2$ in C_6D_6, measured at 293K, 470 MHz.

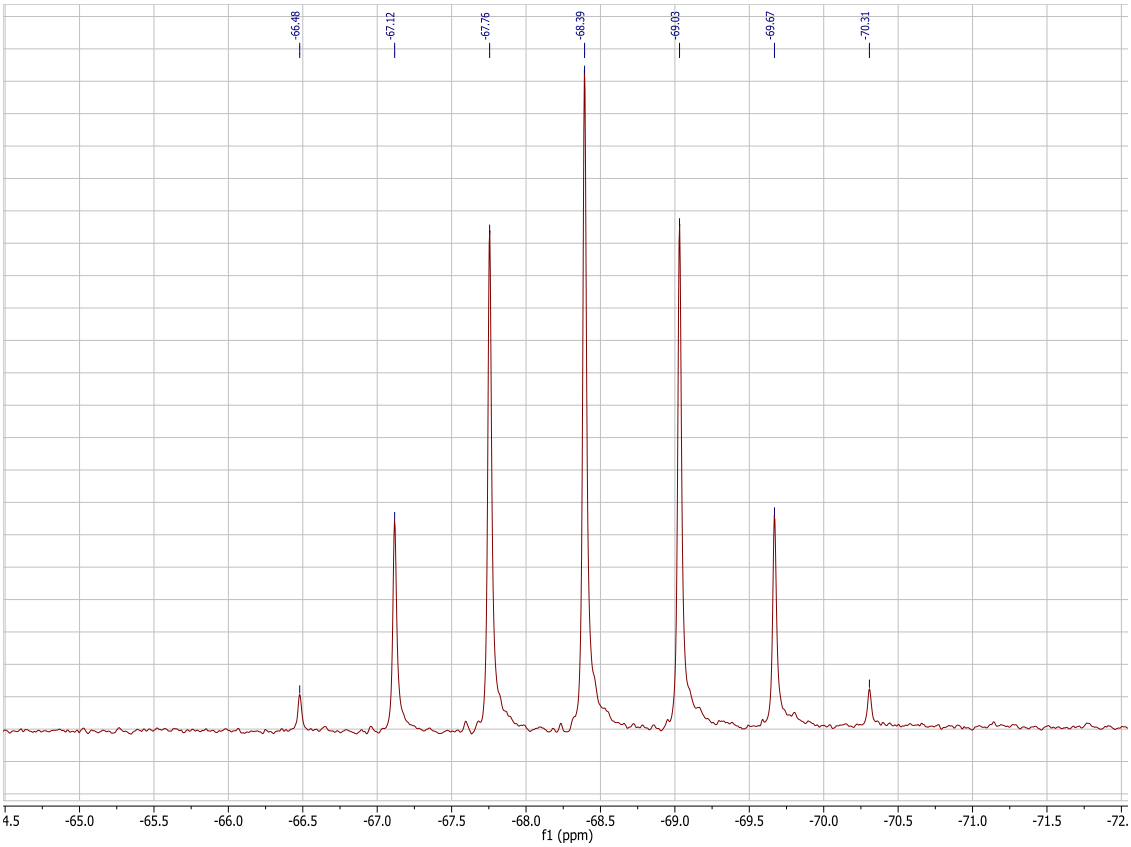

Figure S13: $^{29}Si\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiONMe_2$ in C_6D_6, measured at 293K, 99 MHz.

Figure S14: $^{13}C\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiONMe_2$ in C_6D_6, measured at 293K, 126 MHz.

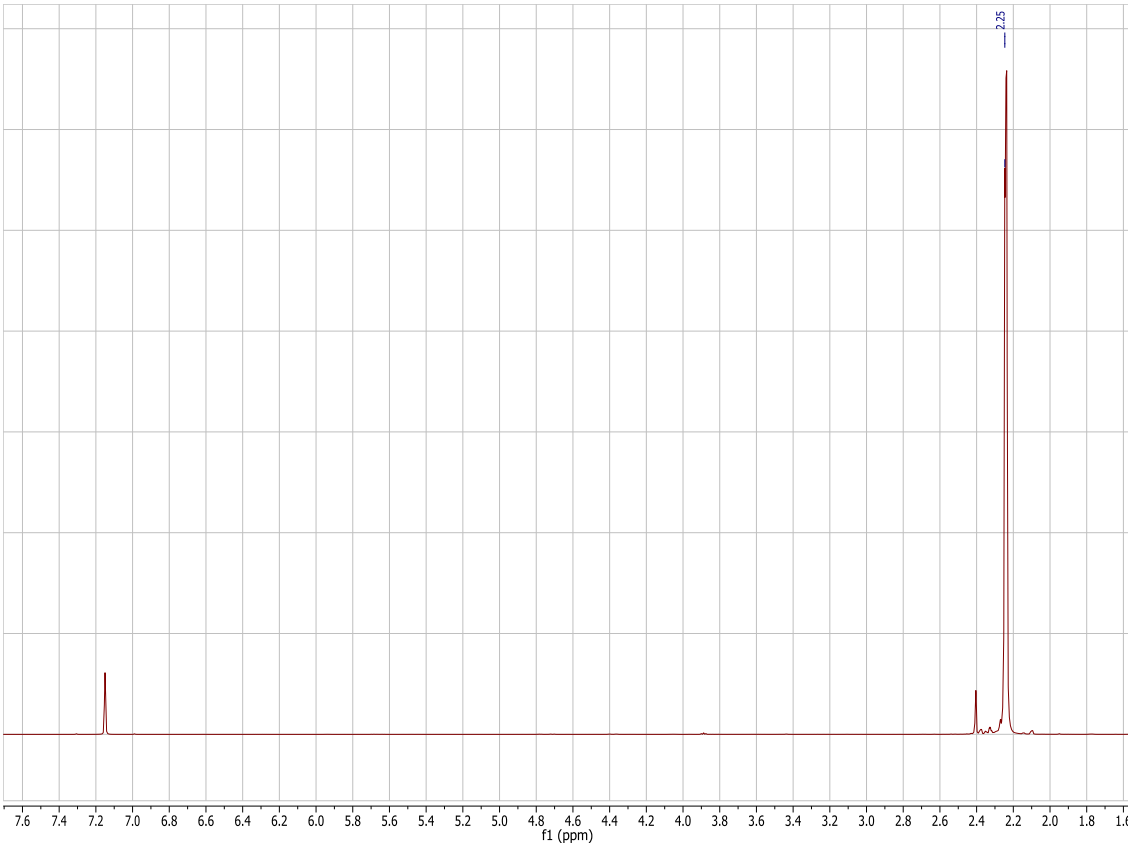

Figure S15: ^{1}H NMR of a solution of $(C_2F_5)_3SiONMe_2$ in C_6D_6, measured at 293K, 500 MHz.

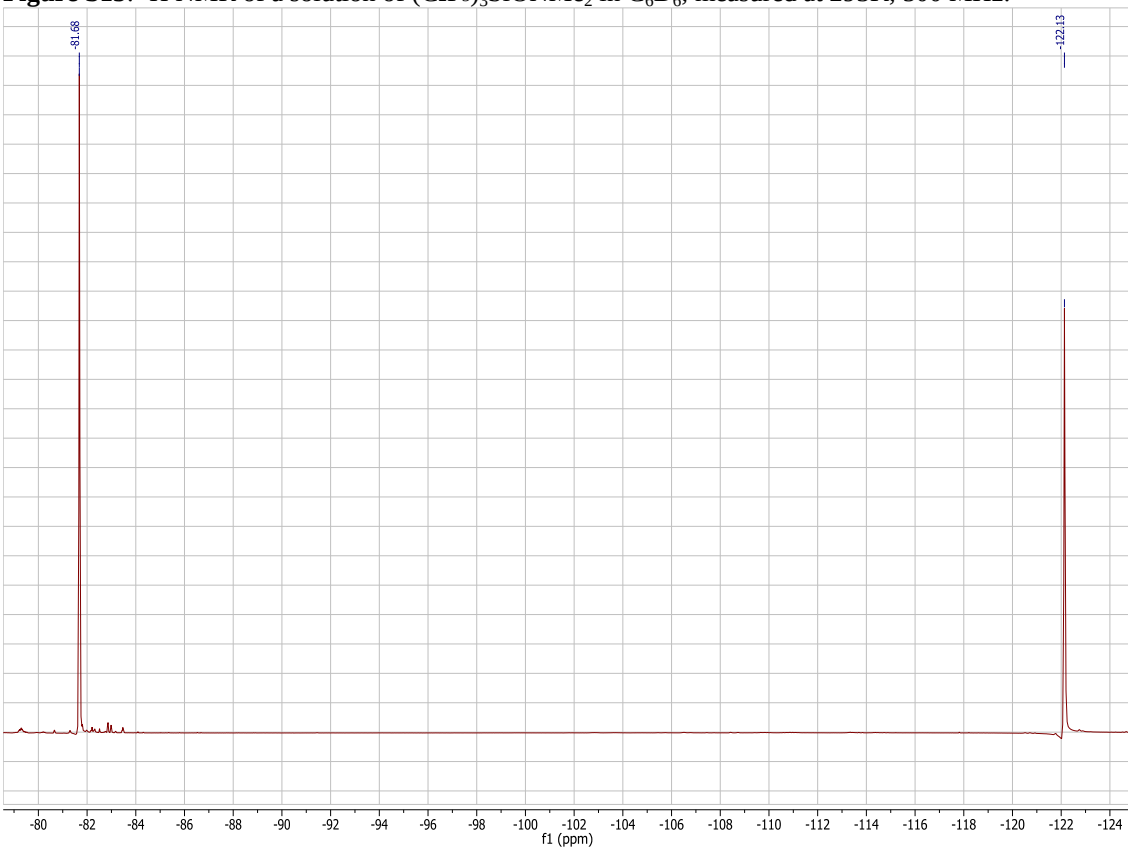

Figure S16: $^{19}F\{^{1}H\}$ NMR of a solution of $(C_2F_5)_3SiONMe_2$ in C_6D_6, measured at 293K, 470 MHz.