

Table S1. Effect of Concentration of 1 on ^1H NMR Chemical Shift in CDCl_3 .^a

[1]	$\text{CH}_2, \text{NCH}_2^b$	NCH_2''	OCH_3	1-CH_2	NCH_3'	NCH_3''	H_2O	2-CH_2	3-CH_2	$(4\text{-}15)\text{-CH}_2$	16-CH_3
0.0019	4.130	3.873	3.642	3.493	3.435	3.375	1.569	1.686	1.354	1.245	0.869
0.0023	4.127	3.876	3.643	3.493	3.434	3.377	1.578	1.686	1.353	1.244	0.868
0.0030	4.124	3.880	3.644	3.488	3.433	3.380	1.590	1.690	1.350	1.244	0.868
0.0044	4.120	3.886	3.645	3.492	3.432	3.384	1.612	1.687	1.348	1.243	0.867
0.0047	4.117	3.887	3.644	3.490	3.430	3.384	1.624	1.683	1.346	1.241	0.865
0.0060	4.115	3.892	3.644	3.489	3.429	3.385	1.648	1.682	1.344	1.240	0.864
0.0069	4.112	3.894	3.643	3.487	3.427	3.385	1.665	1.681	1.352	1.239	0.863
0.0100	4.110	3.901	3.640	3.484	3.424	3.386	1.713	1.680	1.350	1.240	0.861
0.0149	4.098	3.906	3.628	3.475	3.419	3.377	1.813	1.678	1.333	1.231	0.856
0.0188	4.095	3.909	3.624	3.472	3.416	3.375	1.868	1.676	1.330	1.229	0.853
0.0257	4.090	3.912	3.616	3.476	3.411	3.370	1.958	1.671	1.323	1.224	0.848
0.0258	4.097	3.912	3.625	3.476	3.409	3.377	1.933	1.669	1.323	1.224	0.848

[1]	CH, NCH ₂ ^b	NCH ₂ "	OCH ₃	1-CH ₂	NCH ₃ '	NCH ₃ "	H ₂ O	2-CH ₂	3-CH ₂	(4-15)-CH ₂	16-CH ₃
0.0317	4.086	3.912	3.611	3.464	3.407	3.366	2.014	1.668	1.320	1.220	0.845
0.0320	4.092	3.912	3.617	3.470	3.405	3.370	2.001	1.667	1.319	1.219	0.843
0.0366	4.088	3.912	3.611	3.467	3.402	3.365	2.051	1.662	1.315	1.216	0.840
0.0512	4.077	3.911	3.594	3.456	3.392	3.352	2.193	1.656	1.305	1.206	0.829
0.0643	4.070	3.909	3.584	3.449	3.385	3.343	2.267	1.648	1.297	1.199	0.822
0.0711	4.066	3.906	3.578	3.445	3.381	3.337	2.304	1.643	1.291	1.194	0.818
0.0790	4.061	3.903	3.570	3.439	3.375	3.330	2.351	1.640	1.286	1.188	0.812
0.0900	4.056	3.901	3.562	3.435	3.369	3.323	2.399	1.634	1.280	1.183	0.807
0.1040	4.049	3.896	3.553	3.428	3.363	3.314	2.442	1.627	1.273	1.175	0.799
0.1500	4.018	3.871	3.511	3.399	3.328	3.274	2.607	1.598	1.247	1.142	0.764

^a Values of δ , relative to TMS ($\delta = 0.000$), at 25 °C. ^b Overlapped signals.

Table S2. Effect of Concentration of 1 on ^1H NMR Chemical Shift in CD_3OD^a

[1]	CH	NCH_2'	NCH_2''	OCH_3	NCH_3'	NCH_3''	2- CH_2	3- CH_2	(4-15)- CH_2	16- CH_3
0.0053	4.181	3.837	3.745	3.415	3.232	3.026	1.710	1.356	1.255	0.865
0.0184	4.179	3.838	3.749	3.413	3.235	3.030	1.709	1.353	1.252	0.862
0.0230	4.175	3.838	3.747	3.411	3.235	3.030	1.709	1.353	1.251	0.861
0.0263	4.175	3.840	3.749	3.412	3.237	3.031	1.710	1.352	1.252	0.862
0.0307	4.181	3.844	3.754	3.417	3.242	3.036	1.713	1.357	1.256	0.866
0.0368	4.181	3.842	3.753	3.413	3.240	3.034	1.713	1.354	1.252	0.863
0.0500	4.198	3.865	3.778	3.430	3.266	3.061	1.728	1.372	1.269	0.879
0.0580	4.204	3.869	3.783	3.438	3.270	3.066	1.734	1.375	1.272	0.882
0.0700	4.206	3.883	3.788	3.438	3.277	3.072	1.739	1.379	1.276	0.887
0.0735	4.220	3.890	3.805	3.446	3.293	3.090	1.748	1.387	1.283	0.894
0.0980	4.229	3.900	3.816	3.455	3.304	3.101	1.758	1.397	1.292	0.903
0.1470	4.239	3.912	3.824	3.464	3.317	3.114	1.769	1.406	1.301	0.912

^a Values of δ , relative to TMS ($\delta = 0.000$), at 25 °C.

Table S3. Effect of Concentration of **1** on ^{13}C NMR Chemical Shift in CD_3OD ^a

[1]	CH	NCH ₂	1-CH ₂	OCH ₃	NCH ₃ '	NCH ₃ "	14-CH ₂	3-CH ₂	15-CH ₂	2-CH ₂	16-CH ₃
0.0053	84.14	70.95	65.21	57.79	57.17	51.27	33.08	27.35	23.74	23.49	14.43
0.0184	84.13	70.95	65.21	57.81	57.18	51.29	33.07	27.34	23.74	23.49	14.44
0.0230	84.14	70.95	65.21	57.81	57.18	51.30	33.07	27.34	23.74	23.49	14.44
0.0263	84.13	70.95	65.21	57.81	57.18	51.30	33.07	27.35	23.74	23.50	14.44
0.0306	84.14	70.95	65.21	57.81	57.18	51.31	33.07	27.35	23.74	23.50	14.44
0.0368	84.14	70.96	65.22	57.83	57.25	51.33	33.09	27.36	23.75	23.51	14.45
0.0735	84.16	70.98	65.23	57.90	57.24	51.45	33.11	27.38	23.78	23.56	14.54
0.0980	84.16	70.99	65.23	57.90	57.25	51.46	33.12	27.38	23.79	23.58	14.55

^a Values of δ , relative to TMS ($\delta = 0.00$), at 25 °C.