

Supporting Table 1. Experimental and calculated nOe ratios(η), and T_1 relaxation data for isotropic and anisotropic models of diffusion.

	14.1T				18.1T				21.1T			
	$\eta_{\text{exp.}}$	$\eta_{\text{calc.}}$	T_1 (exp)	T_1 (calc.)	$\eta_{\text{exp.}}$	$\eta_{\text{calc.}}$	T_1 (exp)	T_1 (calc.)	$\eta_{\text{exp.}}$	$\eta_{\text{calc.}}$	T_1 (exp)	T_1 (calc.)
Tetrasaccharide (1)												
ISOTROPIC												
α	-1.35	-1.70	1.79	1.65	-1.23	-1.13	1.62	1.69	-0.42	-0.81	1.53	1.68
β	-1.63	-1.65	1.61	1.54	-1.22	-1.07	1.52	1.59	-0.56	-0.75	1.45	1.57
ω	-1.89	-1.51	1.26	1.22	-0.95	-0.89	1.18	1.26	-0.39	-0.55	1.12	1.25
ANISOTROPIC												
α	-1.35	-1.47	1.79	1.67	-1.23	-0.96	1.62	1.70	-0.42	-0.68	1.53	1.68
β	-1.63	-1.67	1.61	1.54	-1.22	-1.09	1.52	1.59	-0.56	-0.77	1.45	1.57
ω	-1.89	-1.69	1.26	1.21	-0.95	-1.05	1.18	1.26	-0.39	-0.68	1.12	1.25
Hexasaccharide (2)												
ISOTROPIC												
α	-0.96	-1.22	1.61	1.43	-0.85	-0.72	1.47	1.45	-0.28	-0.46	1.40	1.44
β	-1.12	-1.19	1.46	1.37	-0.79	-0.68	1.37	1.40	-0.34	-0.42	1.31	1.39
γ	-1.07	-0.95	1.00	0.92	-0.33	-0.39	0.94	0.94	0.14	-0.11	0.89	0.93
ω	-1.17	-0.98	1.05	0.98	-0.38	-0.43	0.98	1.01	-0.01	-0.16	0.94	1.00
ANISOTROPIC												
α	-0.96	-1.09	1.61	1.49	-0.85	-0.65	1.47	1.52	-0.28	-0.42	1.40	1.50
β	-1.12	-1.18	1.46	1.38	-0.79	-0.68	1.37	1.40	-0.34	-0.42	1.31	1.39
γ	-1.07	-0.97	1.00	0.90	-0.33	-0.41	0.94	0.92	0.14	-0.12	0.89	0.92
ω	-1.17	-1.07	1.05	0.93	-0.38	-0.48	0.98	0.96	-0.01	-0.18	0.94	0.95
Octasaccharide (3)												
ISOTROPIC												
α	-0.81	-1.17	1.44	1.49	-0.84	-0.70	1.36	1.51	-0.14	-0.45	1.34	1.49
β	-0.99	-1.12	1.32	1.40	-0.75	-0.64	1.28	1.42	-0.33	-0.39	1.25	1.41
γ	-0.58	-0.70	0.76	0.64	0.04	-0.15	0.80	0.66	0.50	0.13	0.80	0.66
ψ	-0.77	-0.72	0.83	0.68	-0.17	-0.17	0.82	0.70	0.40	0.10	0.80	0.69
ω	-0.92	-0.79	0.95	0.81	-0.18	-0.26	0.91	0.83	0.25	0.01	0.91	0.82
ANISOTROPIC												
α	-0.81	-1.36	1.44	1.36	-0.84	-0.83	1.36	1.40	-0.14	-0.54	1.34	1.39
β	-0.99	-1.27	1.32	1.29	-0.75	-0.74	1.28	1.32	-0.33	-0.46	1.25	1.31
γ	-0.58	-0.29	0.76	0.72	0.04	0.10	0.80	0.74	0.50	0.27	0.80	0.74
ψ	-0.77	-0.43	0.83	0.74	-0.17	0.00	0.82	0.76	0.40	0.20	0.80	0.76
ω	-0.92	-0.63	0.95	0.91	-0.18	-0.18	0.91	0.93	0.25	0.04	0.91	0.93