

**Differentiation of  $\beta$ -phosphorylated nitroxide diastereoisomers by complexation with cyclodextrins: an EPR and cyclic voltammetry study**

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**Table S1.** Isotropic hyperfine coupling constants of 1c• and proportions of free and complexed species obtained by spectral simulation

[β-CD] (M)	Free 1c•		Complex 1c•/β-CD		[γ-CD] (M)	Free 1c•		Complex 1c•/γ-CD	
	a <sub>N</sub> (G) a <sub>P</sub> (G)	%	a <sub>N</sub> (G) a <sub>P</sub> (G)	%		a <sub>N</sub> (G) a <sub>P</sub> (G)	%	a <sub>N</sub> (G) a <sub>P</sub> (G)	%
0	15.06 44.92	100	-	0	0	15.06 44.92	100	-	0
5×10 <sup>-4</sup>	15.06 44.92	97.76	14.57 44.31	2.24	5×10 <sup>-4</sup>	15.07 44.94	93.57	14.40 46.41	6.43
10 <sup>-3</sup>	15.06 44.93	95.35	14.56 44.33	4.65	10 <sup>-3</sup>	15.07 44.92	87.62	14.38 46.42	12.38
2.5×10 <sup>-3</sup>	15.06 44.92	88.59	14.59 44.31	11.41	2.5×10 <sup>-3</sup>	15.06 44.92	73.88	14.38 46.42	26.12
5×10 <sup>-3</sup>	15.07 44.92	80.39	14.56 44.31	19.61	5×10 <sup>-3</sup>	15.06 44.92	58.67	14.41 46.40	41.33
7.5×10 <sup>-3</sup>	15.06 44.93	73.16	14.56 44.32	26.84	7.5×10 <sup>-3</sup>	15.08 44.92	49.82	14.39 46.42	50.18
10 <sup>-2</sup>	15.08 44.92	68.51	14.56 44.31	31.49	10 <sup>-2</sup>	15.06 44.93	40.79	14.38 46.42	59.21
5×10 <sup>-2</sup>	-	-	-	-	5×10 <sup>-2</sup>	15.06 44.92	12.59	14.38 46.42	87.41

**Table S2.** Isotropic hyperfine coupling constants of 1t• and proportions of free and complexed species obtained by spectral simulation

[β-CD] (M)	Free 1t•		Complex 1t•/β-CD		[γ-CD] (M)	Free 1t•		Complex 1t•/γ-CD	
	a <sub>N</sub> (G) a <sub>P</sub> (G)	%	a <sub>N</sub> (G) a <sub>P</sub> (G)	%		a <sub>N</sub> (G) a <sub>P</sub> (G)	%	a <sub>N</sub> (G) a <sub>P</sub> (G)	%
0	14.77 47.75	100	-	0	0	14.77 47.75	100	-	0
5×10 <sup>-4</sup>	14.77 47.74	97.86	14.11 48.33	2.14	5×10 <sup>-4</sup>	14.78 47.74	96.58	14.11 52.42	3.42
10 <sup>-3</sup>	14.78 47.75	95.52	14.11 48.32	4.48	10 <sup>-3</sup>	14.77 47.75	93.28	14.10 52.42	6.72
2.5×10 <sup>-3</sup>	14.77 47.72	89.87	14.11 48.33	10.13	2.5×10 <sup>-3</sup>	14.77 47.72	84.91	14.09 52.41	15.09
5×10 <sup>-3</sup>	14.77 47.75	82.64	14.11 48.33	17.36	5×10 <sup>-3</sup>	14.77 47.75	73.26	14.09 52.39	26.74
7.5×10 <sup>-3</sup>	14.79 47.75	75.27	14.11 48.33	24.73	7.5×10 <sup>-3</sup>	14.77 47.75	65.12	14.10 52.42	34.88
10 <sup>-2</sup>	14.77 47.73	70.35	14.11 48.31	29.65	10 <sup>-2</sup>	14.78 47.75	57.81	14.09 52.42	42.19
5×10 <sup>-2</sup>	-	-	-	-	5×10 <sup>-2</sup>	14.77 47.75	21.79	14.09 52.42	78.21