

Supporting Information

Table S1 Summary of peaks diffusion coefficients of free GlcNH₂ and boron complex
D (the diffusion coefficient) is given in 10⁻¹⁰ m² s⁻¹

Complex				average	standard deviation
$\delta(^1\text{H})$ (ppm)	8.310~8.138	5.371~5.257	3.984~3.776		
D (10 ⁻¹⁰ m ² s ⁻¹)	1.323	1.322	1.308	1.317	0.008
Free				average	
$\delta(^1\text{H})$ (ppm)	8.138~7.981	5.257~5.171	3.776~3.433		
D (10 ⁻¹⁰ m ² s ⁻¹)	1.342	1.354	1.339	1.345	0.008

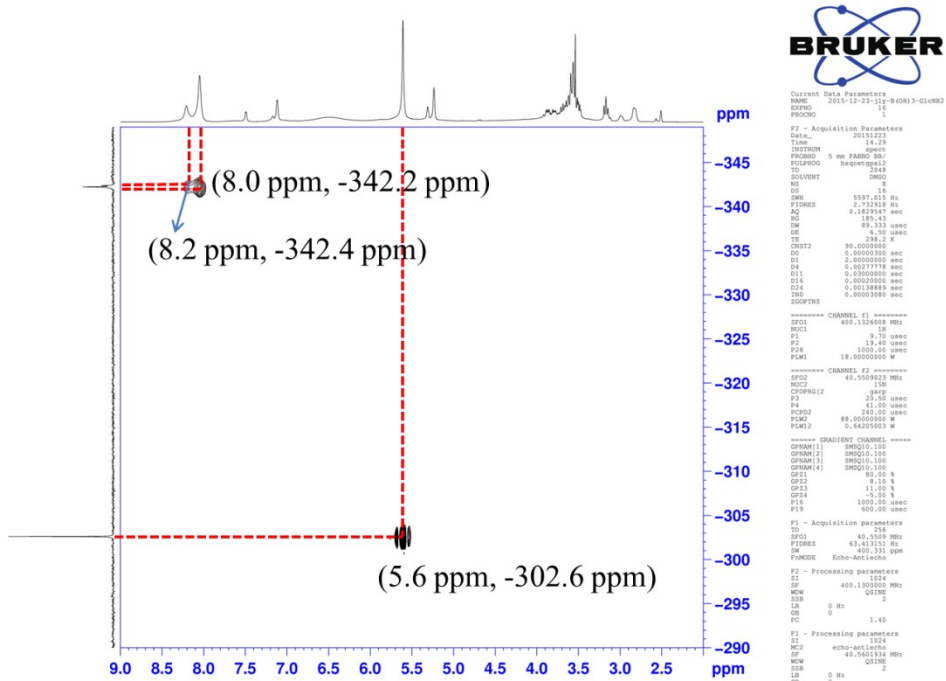


Fig.S1 2D ^1H - ^{15}N HSQC spectra recorded on the solution of GlcNH_2 with equimolar ratio of boric acid including external reference signal

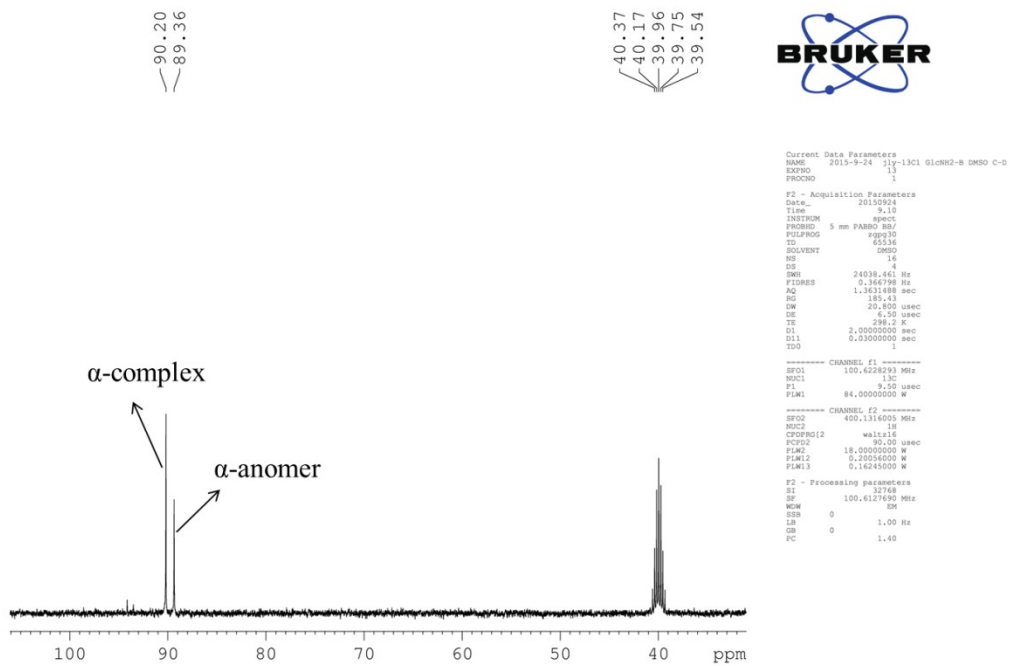


Fig. S2 The ^{13}C NMR spectra of 0.016 mmol $^{13}\text{C}_1$ -labeled GlcNH₂ with 0.048 mmol B(OH)₃ in DMSO-d₆.

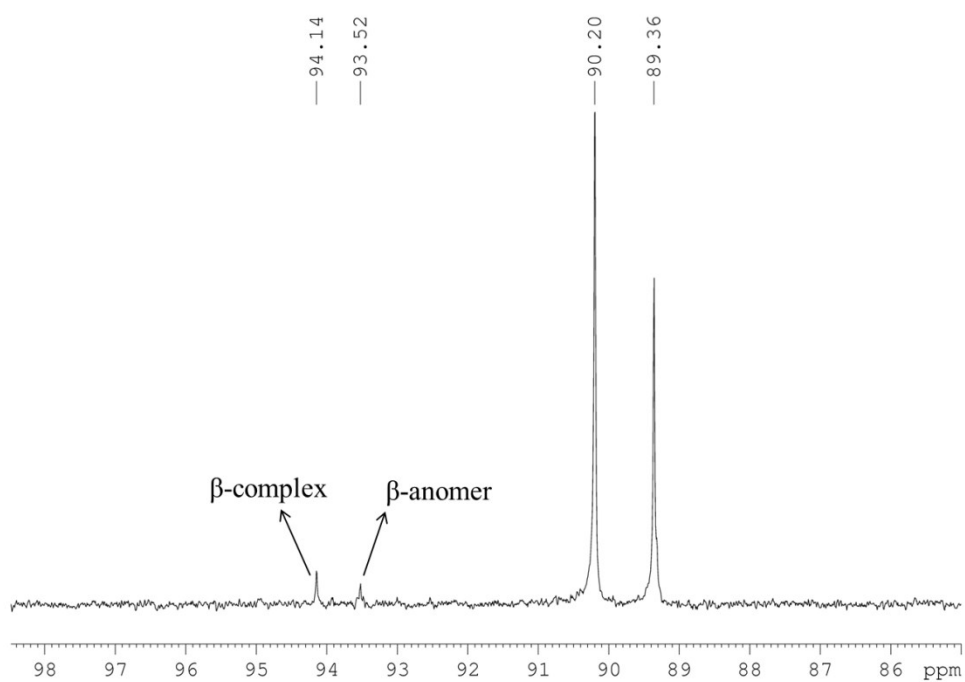


Fig.S3 The ^{13}C NMR spectra of 0.016 mmol $^{13}\text{C}_1$ -labeled GlcNH_2 with 0.048 mmol B(OH)_3 in DMSO-d_6 after local magnification