

## Supporting Information

### Efficient Bioconjugation of 5-Fluoro-5-Deoxy-Ribose (FDR) to RGD Peptides for Positron Emission Tomography (PET) Imaging of $\alpha_v\beta_3$ Integrin Receptor

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**Figure S1** <sup>1</sup>H NMR of (cRGDfC)-Ahm in D<sub>2</sub>O with solvent suppression

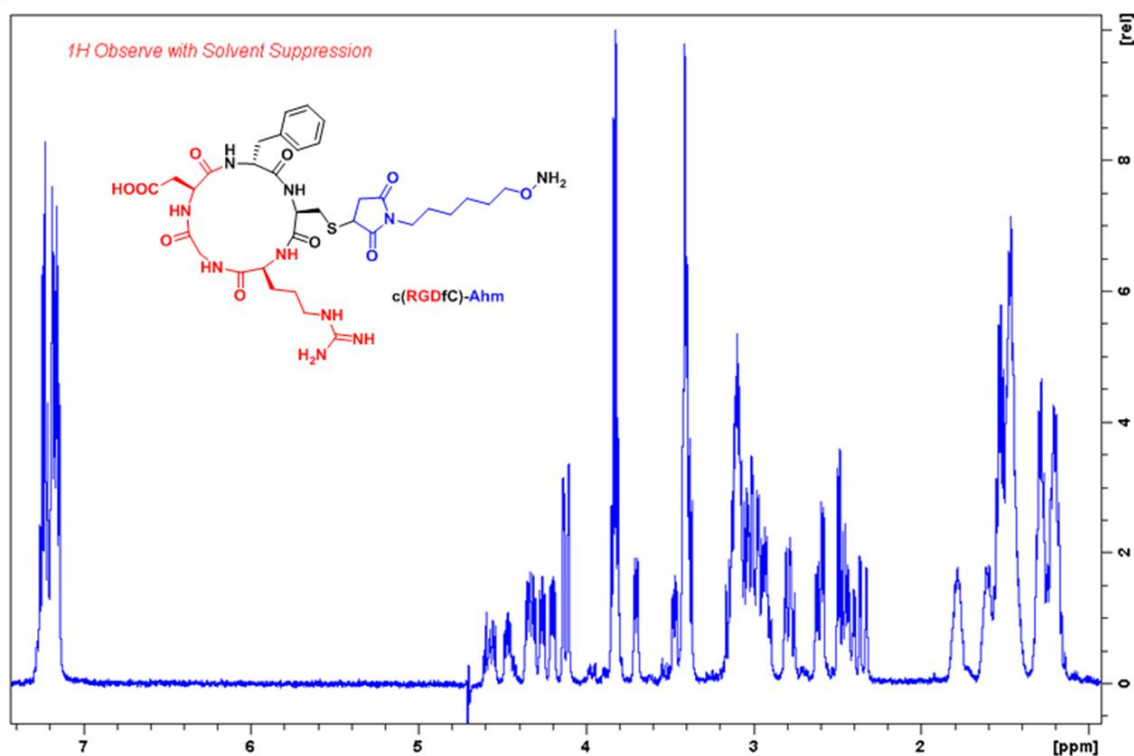
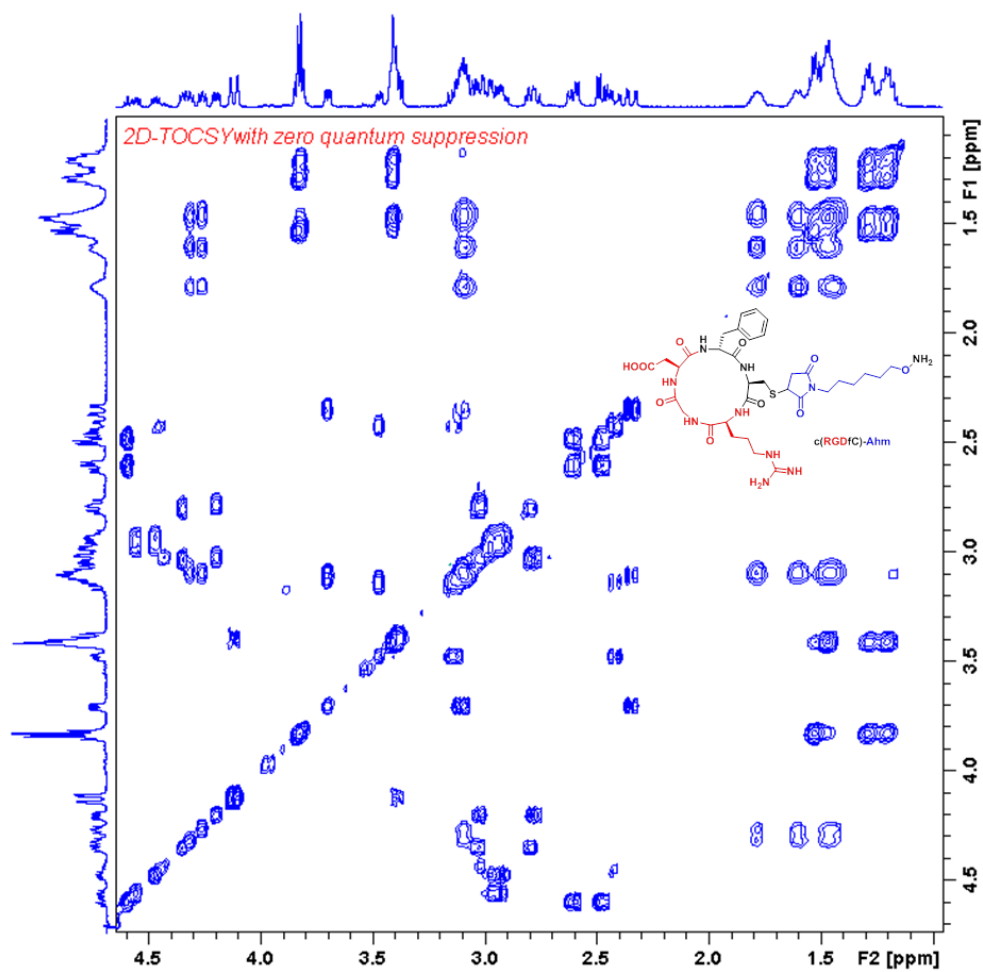


Figure S2 2D TOCSY spectrum of (cRGDFc)-Ahm in D<sub>2</sub>O



**Figure S3**  $^1\text{H}$ - $^{13}\text{C}$  2D-HSQC spectrum of c(RGDfC)-Ahm in  $\text{D}_2\text{O}$  (20-130ppm)

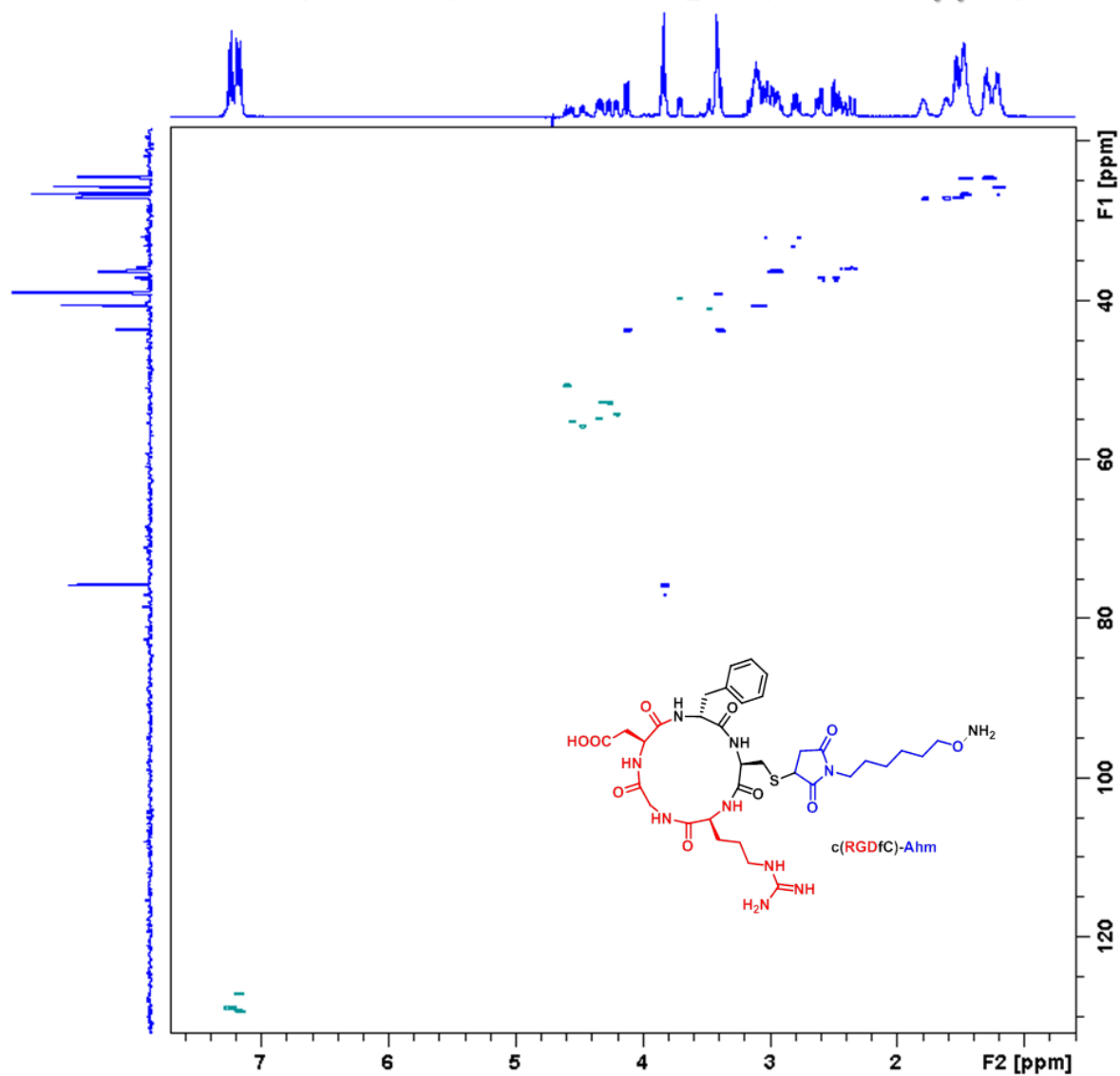


Figure S4  $^1\text{H}$ - $^{13}\text{C}$  2D-HMBC spectrum of c(RGDfC)-Ahm in  $\text{D}_2\text{O}$

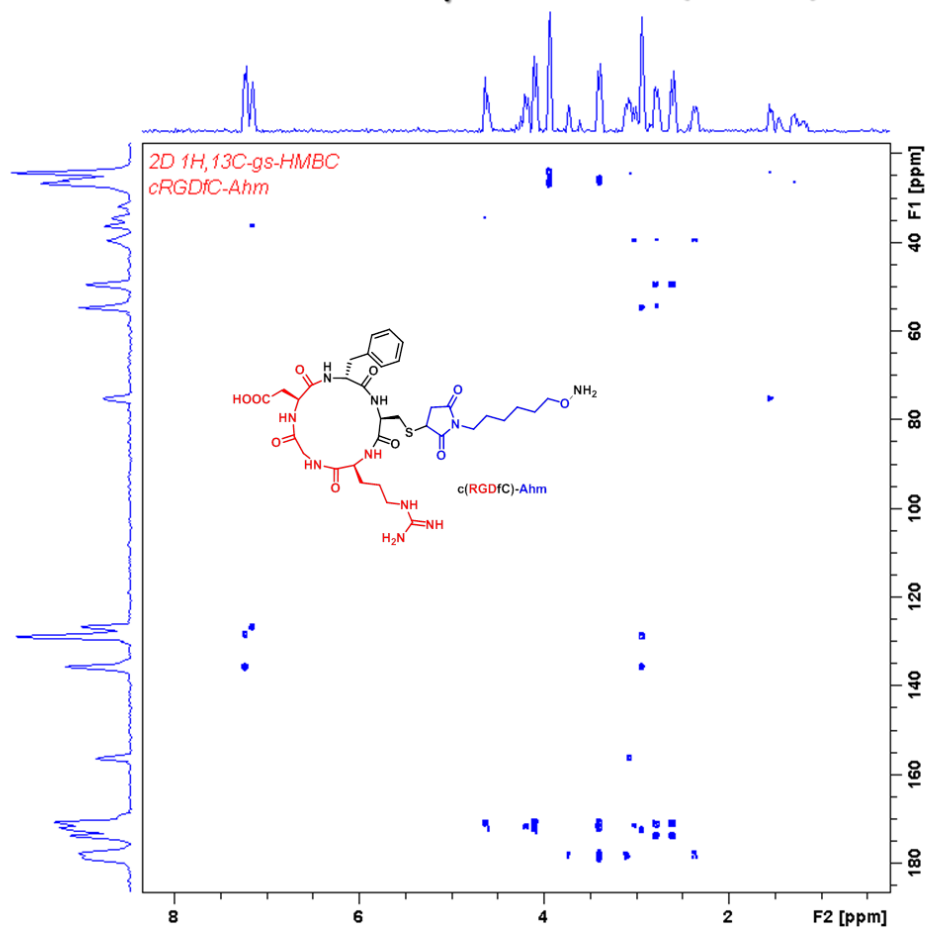


Figure S5  $^1\text{H}$  NMR of (cRGDfC)-Ahm-FDR in  $\text{D}_2\text{O}$  with solvent suppression

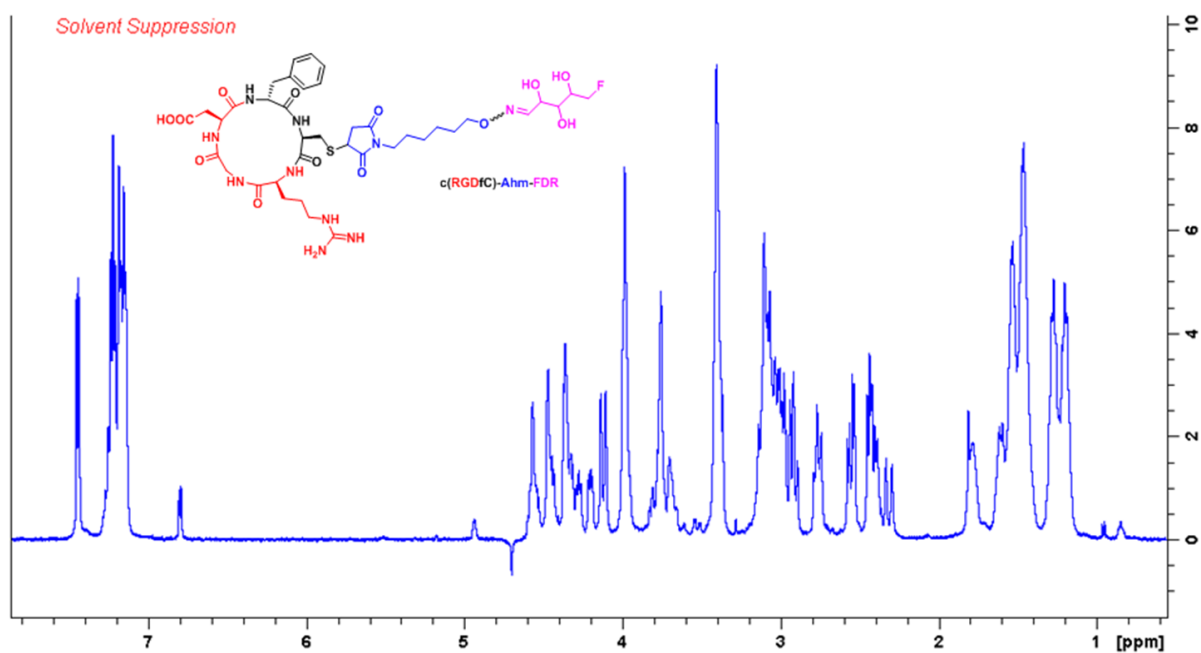


Figure S6 2D TOCSY spectrum of (cRGDfC)-Ahm-FDR in D<sub>2</sub>O

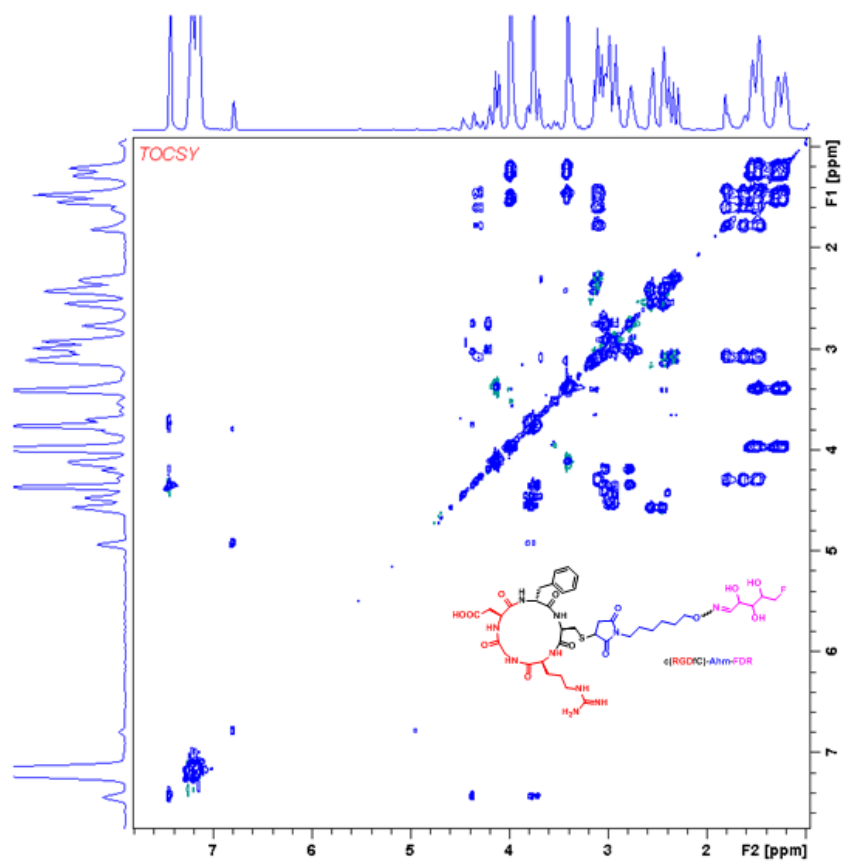


Figure S7  $^1\text{H}$ - $^{13}\text{C}$  2D-HSQC spectrum of c(RGDfC)-Ahm-FDR in  $\text{D}_2\text{O}$

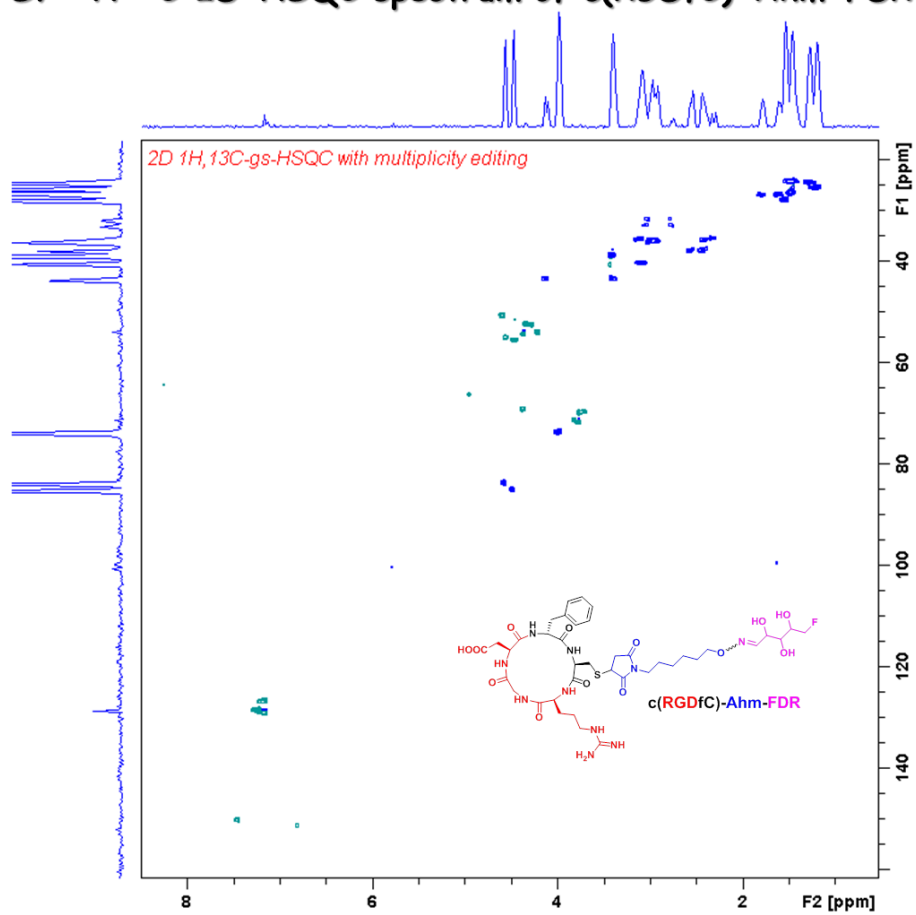


Figure S8  $^1\text{H}$ - $^{13}\text{C}$  2D-HMBC spectrum of c(RGDfC)-Ahm-FDR in  $\text{D}_2\text{O}$

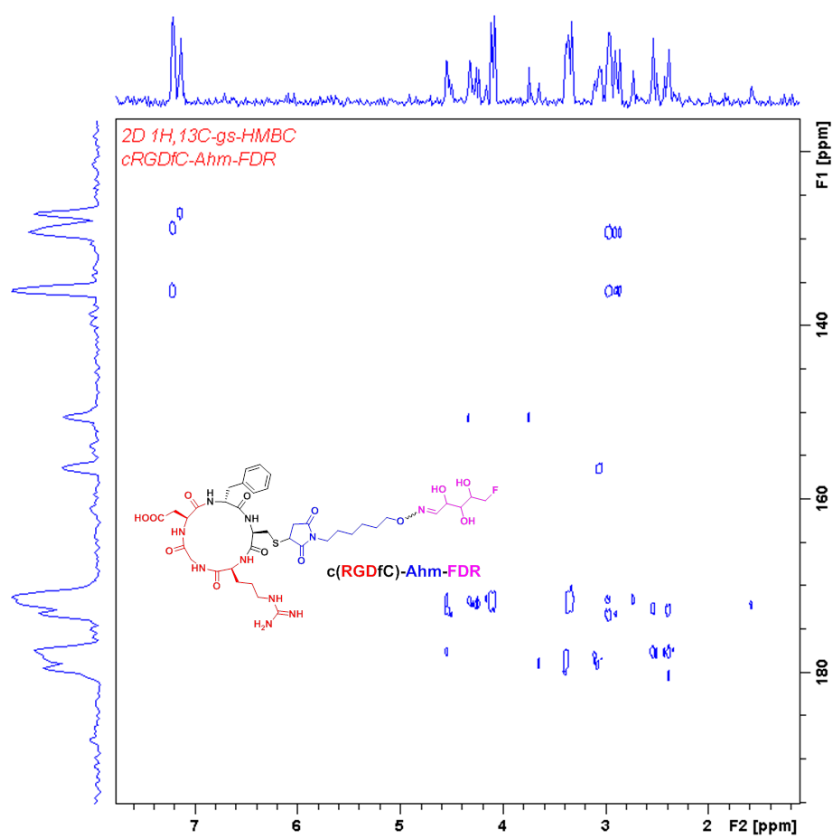


Figure S9  $^{19}\text{F}$  NMR spectrum of c(RGDfC)-Ahm-FDR in  $\text{D}_2\text{O}$

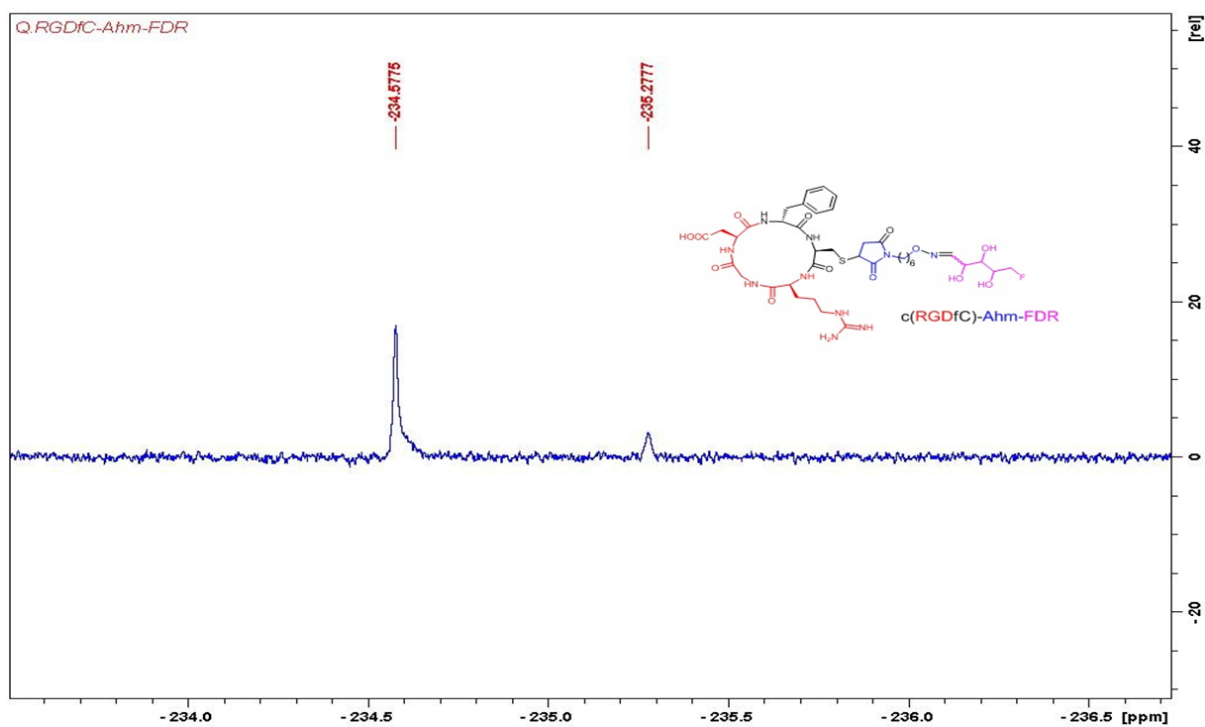


Figure S10  $^1\text{H}$  NMR of c(RGDfK)-Aoa-FDR in  $\text{D}_2\text{O}$

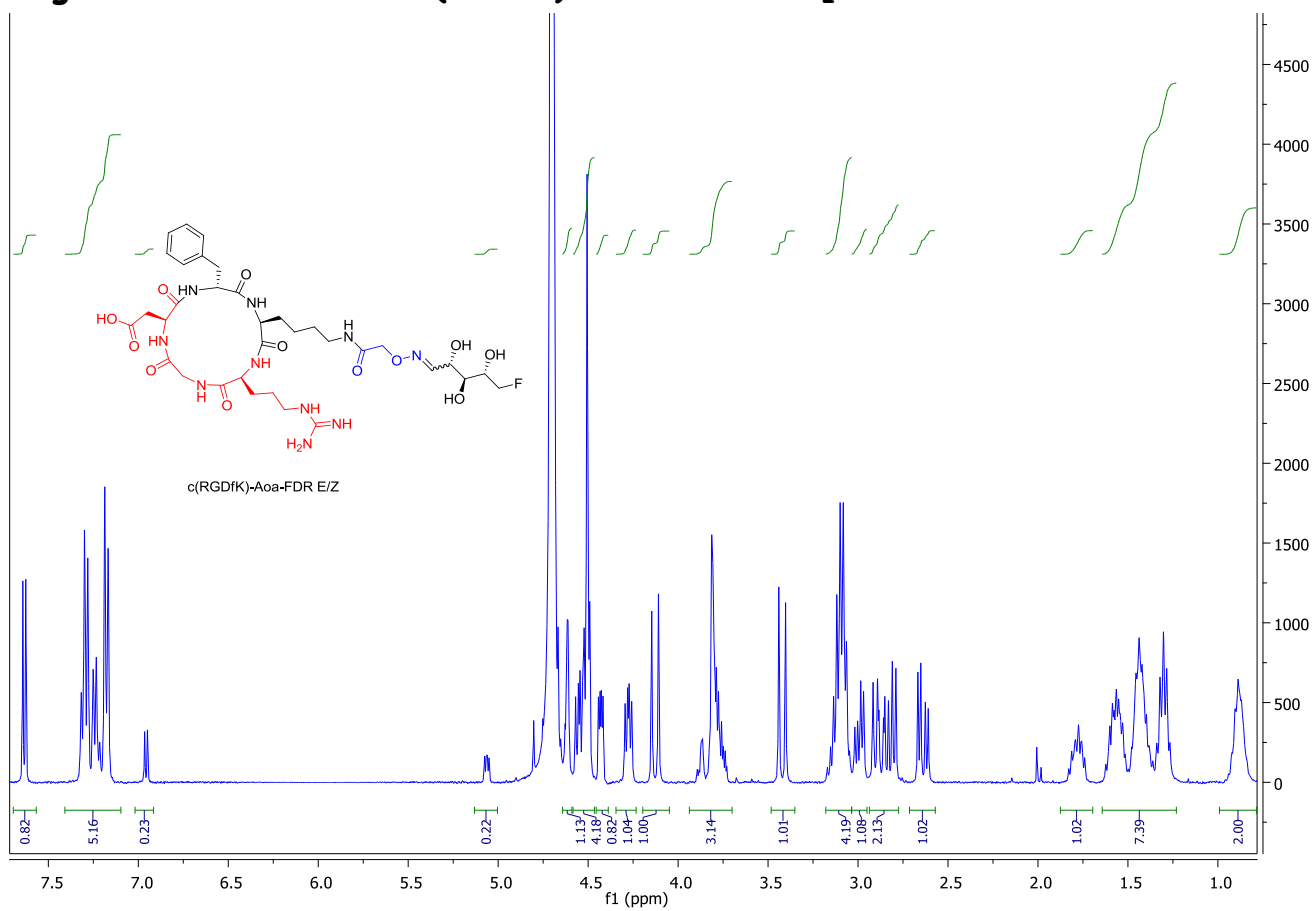




Figure S11  $^{13}\text{C}$  NMR of c(RGDfK)-Aoa-FDR in  $\text{D}_2\text{O}$

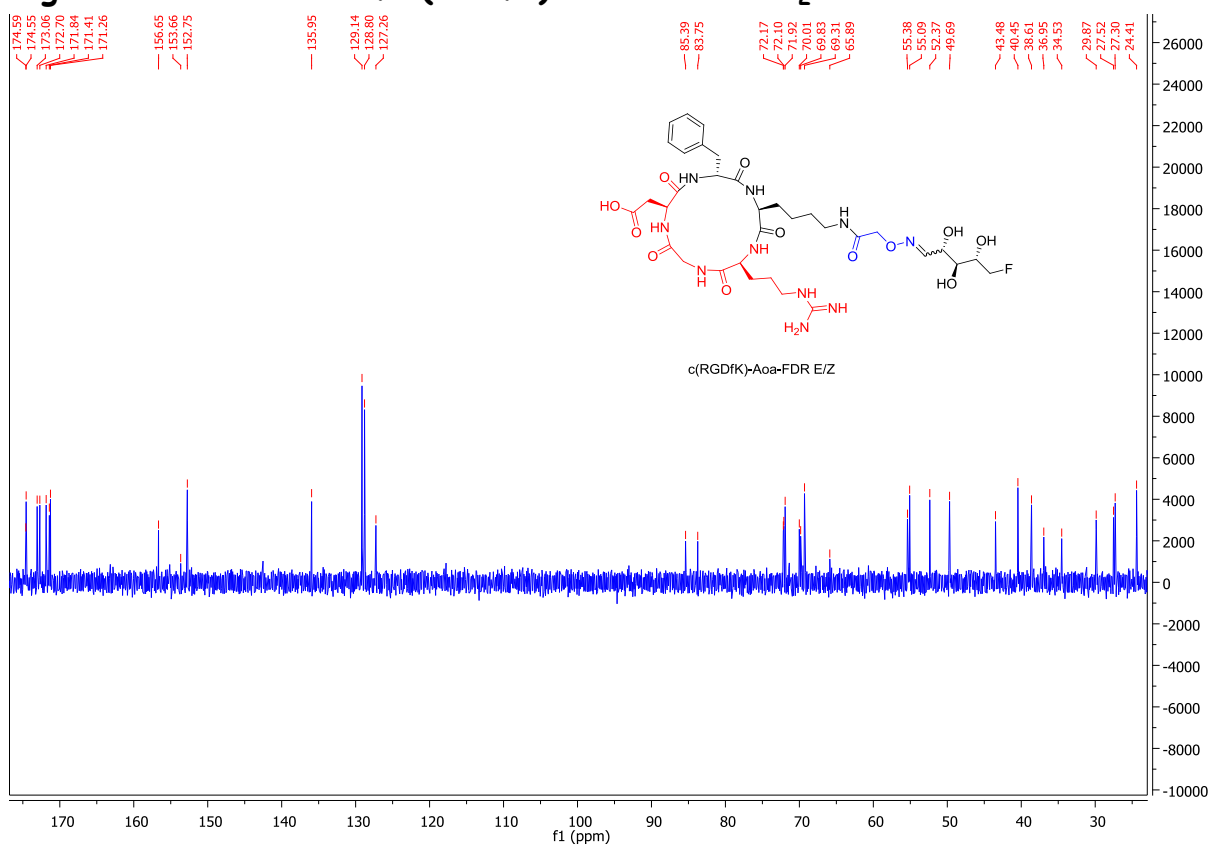


Figure S12  $^{19}\text{F}$  NMR of c(RGDfK)-Aoa-FDR in  $\text{D}_2\text{O}$

