

## Supplementary Information: The development of peptide-boron difluoride formazanate conjugates as fluorescence imaging agents

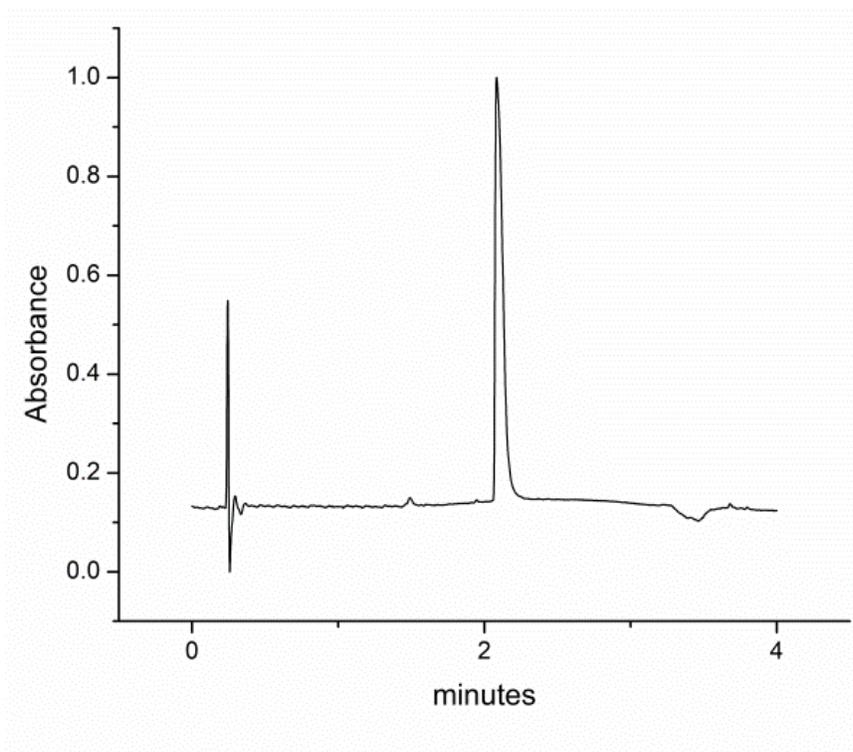
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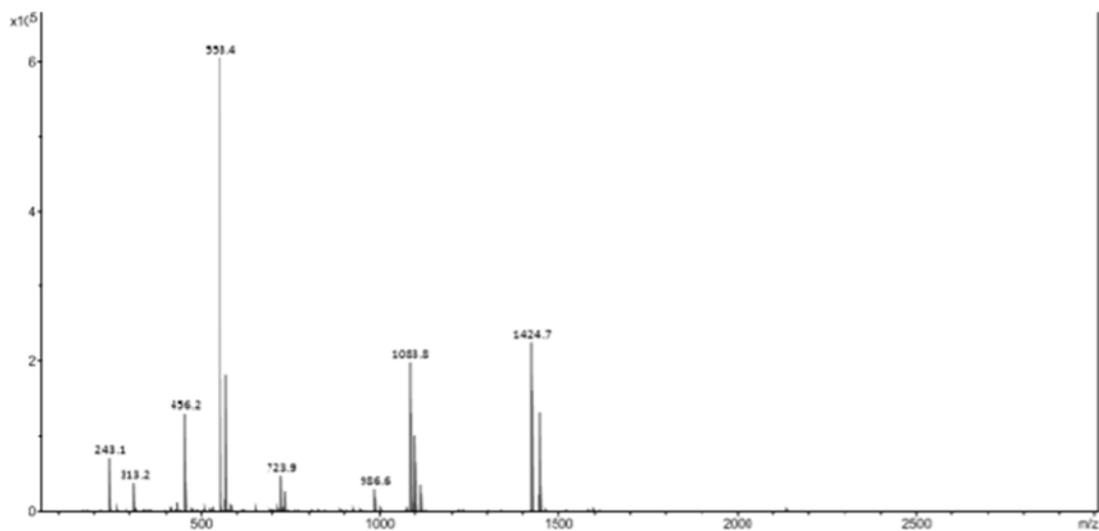
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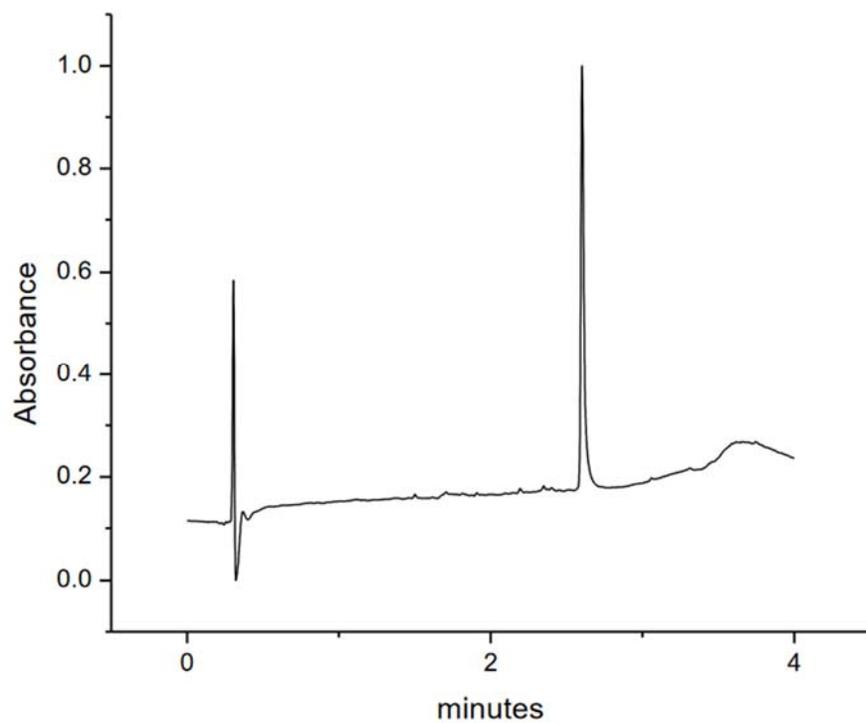
Fig. S1	UHPLC chromatogram of compound <b>5</b> .....	2
Fig. S2	ESI+ Mass spectrum of compound <b>5</b> .....	2
Fig. S3	UHPLC chromatogram of compound <b>6</b> .....	3
Fig. S4	ESI+ Mass spectrum of compound <b>6</b> .....	3
Fig. S5	UHPLC chromatogram of compound <b>7</b> .....	4
Fig. S6	ESI+ Mass spectrum of compound <b>7</b> .....	4
Fig. S7	Absorbance spectra of compounds <b>1, 5, 7</b> .....	5
Fig. S8	Emission spectra of compounds <b>1, 5, 7</b> .....	5
Fig. S9	IC <sub>50</sub> binding curve of compound <b>5</b> .....	6
Fig. S10	IC <sub>50</sub> binding curve of compound <b>7</b> .....	6
Fig. S11	<sup>1</sup> H NMR Spectrum of compound <b>1</b> in CDCl <sub>3</sub> .....	7
Fig. S12	<sup>13</sup> C NMR Spectrum of compound <b>1</b> in CDCl <sub>3</sub> .....	7
Reference.....		8



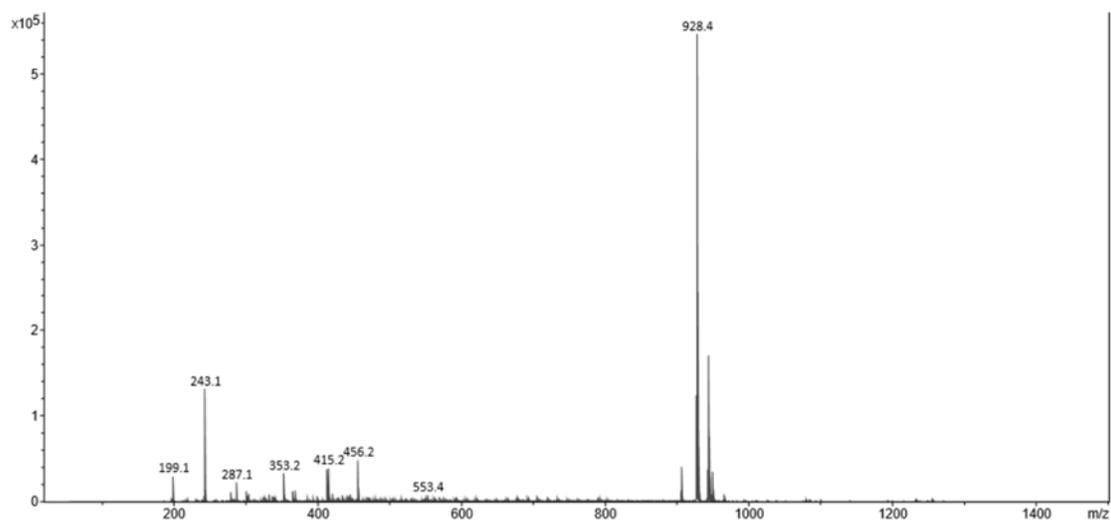
**Fig. S1** UHPLC chromatogram of compound 5.



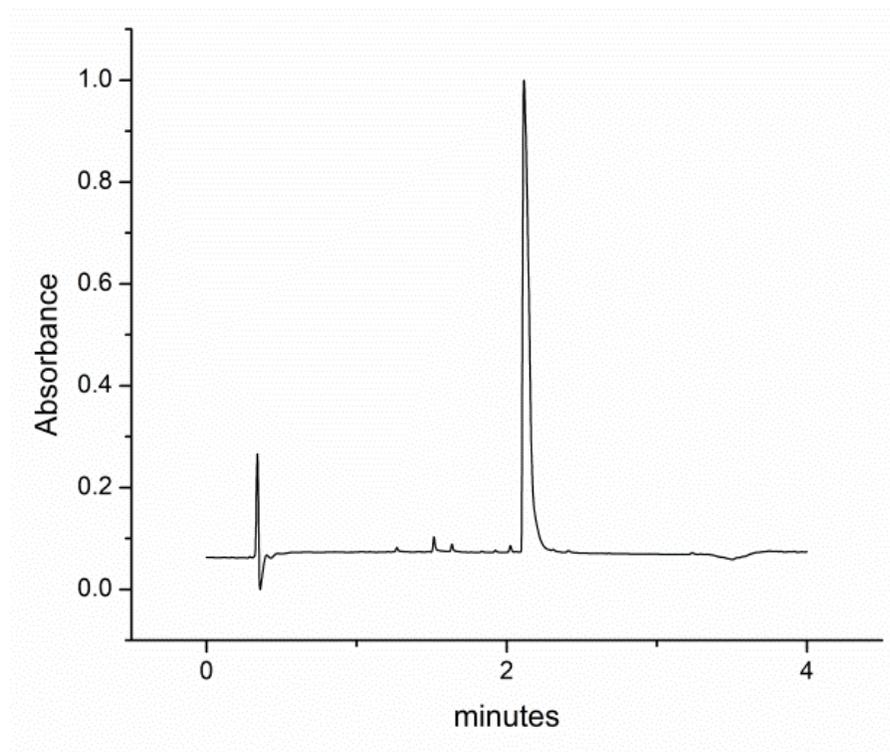
**Fig. S2** ESI+ Mass spectrum of compound 5.



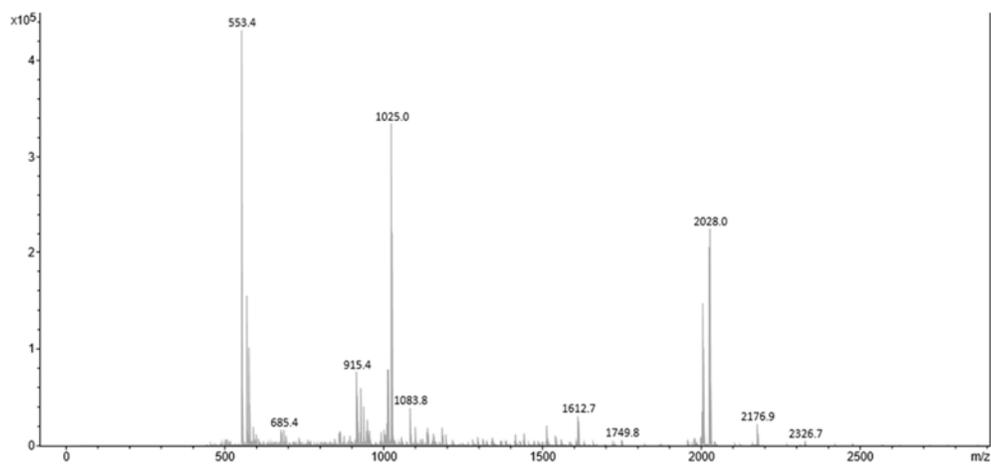
**Fig. S3** UHPLC chromatogram of compound 6.



**Fig. S4** ESI+ Mass spectrum of compound 6.



**Fig. S5** UHPLC chromatogram of compound **7**.



**Fig. S6** ESI+ Mass spectrum of compound **7**.

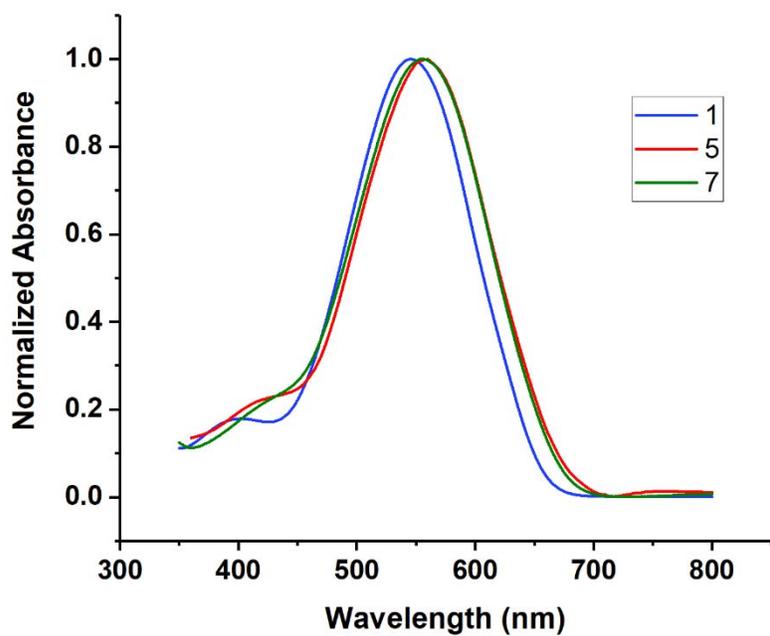


Fig. S7 Absorbance spectra of compounds **1**, **5**, **7** in DMSO.

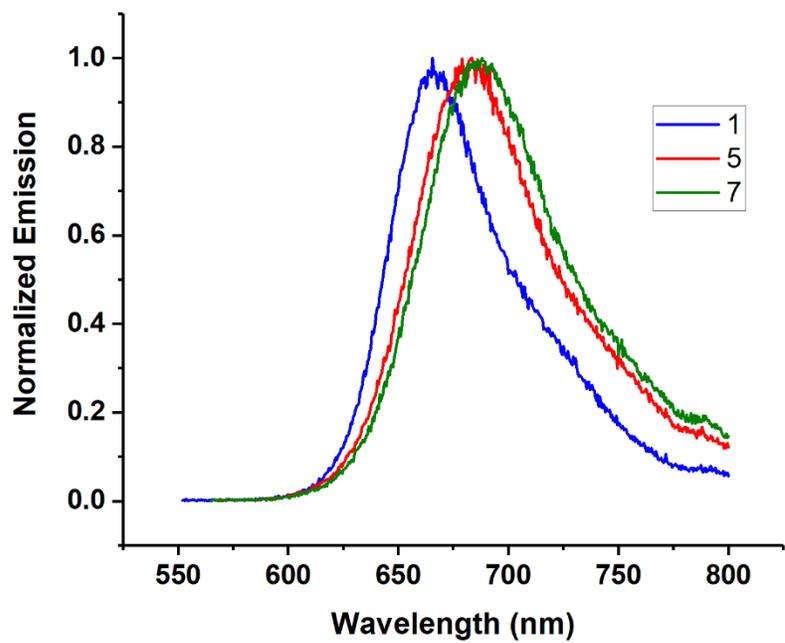


Fig. S8 Emission spectra of compounds **1**, **5**, **7** in DMSO.

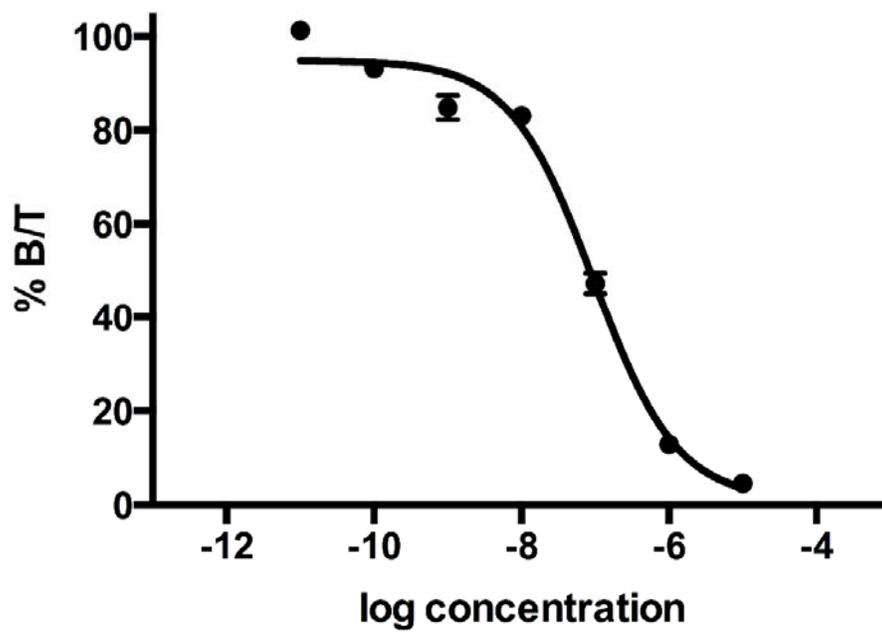


Fig. S9  $IC_{50}$  binding curve for compound 5.

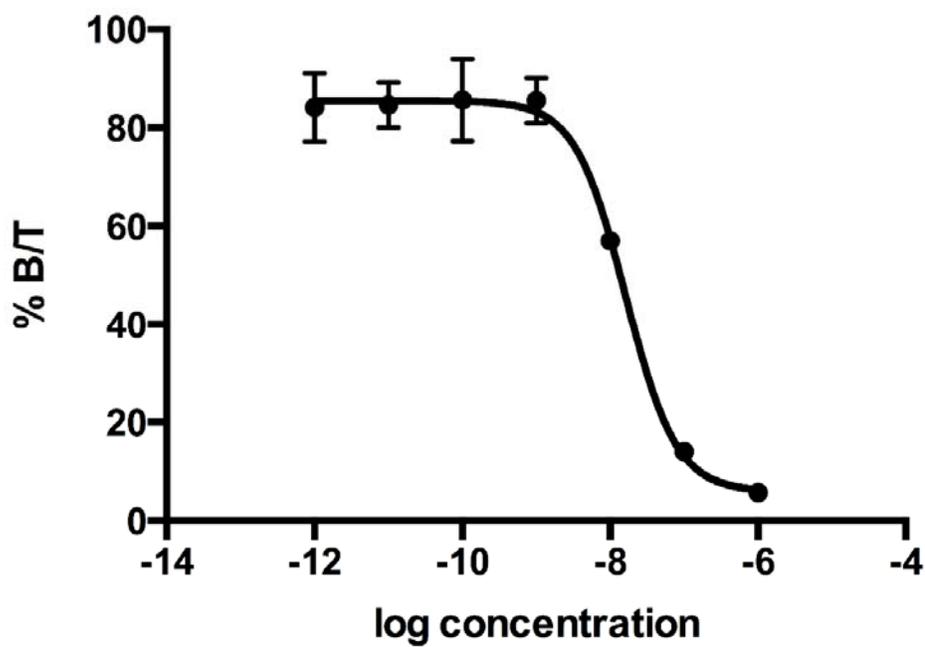
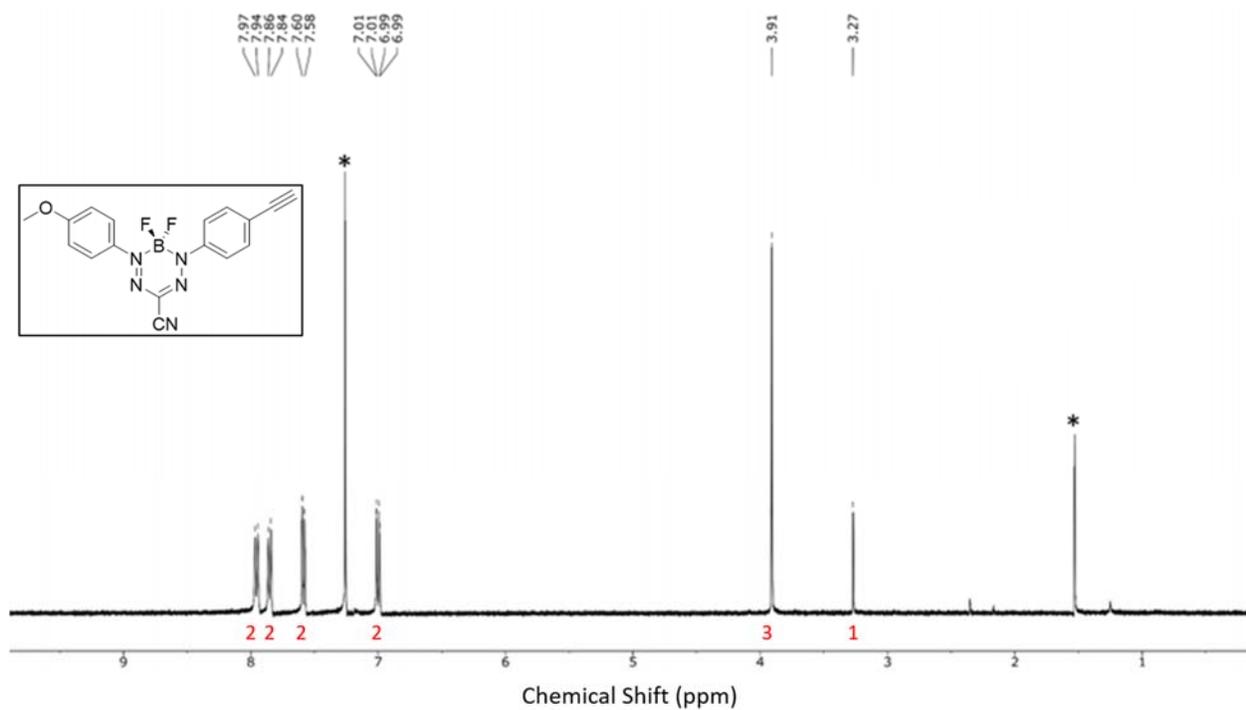
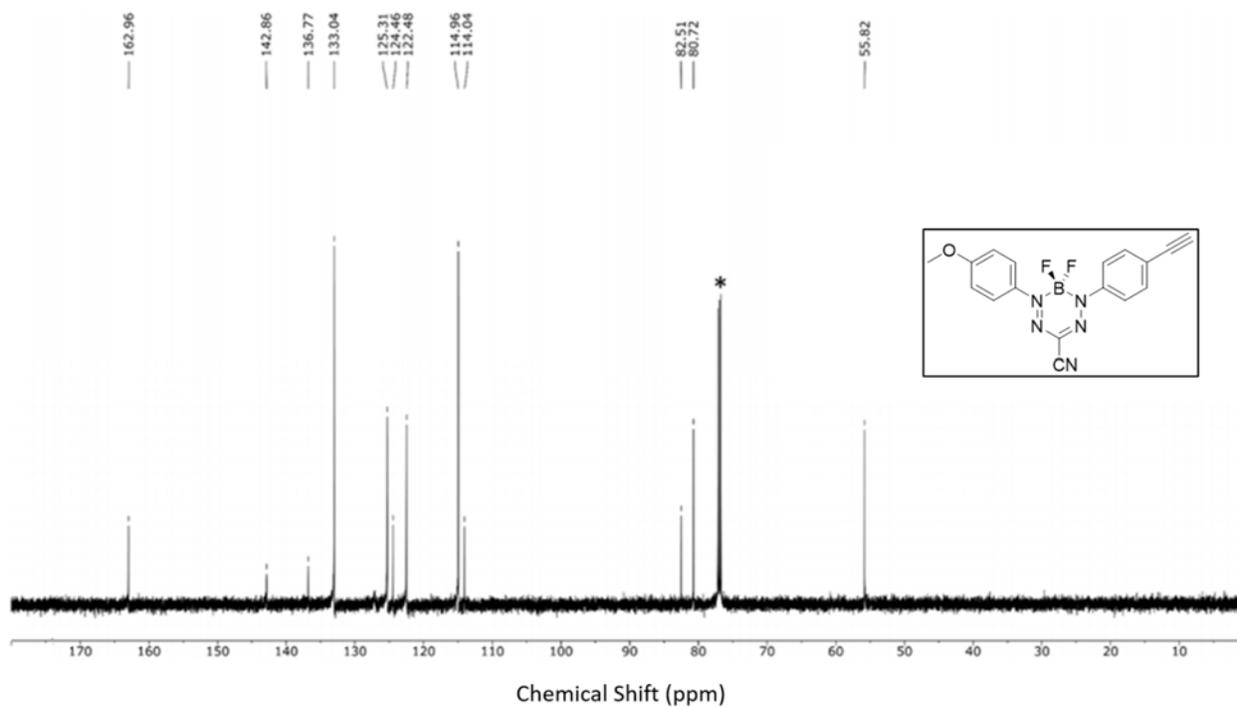


Fig. S10  $IC_{50}$  binding curve for compound 7.



**Fig. S11**  $^1\text{H}$  NMR spectrum of compound **1** in  $\text{CDCl}_3$ . The asterisks denote residual  $\text{CHCl}_3$  and  $\text{H}_2\text{O}$  solvent signals.<sup>1</sup>



**Fig. S12**  $^{13}\text{C}$  NMR spectrum of compound **1** in  $\text{CDCl}_3$ . The asterisk denotes  $\text{CDCl}_3$  solvent signal.<sup>1</sup>

## Reference

- 1 M. Barbon, S. Novoa, D. Bender, H. Groom, L. G. Luyt and J. B. Gilroy, *Org. Chem. Front.*, 2017, **4**, 178-190.