**Supporting Information**

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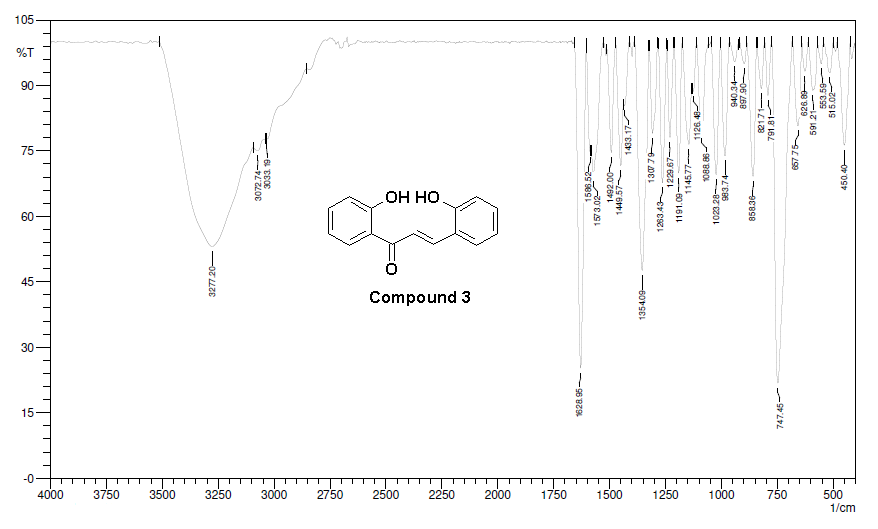
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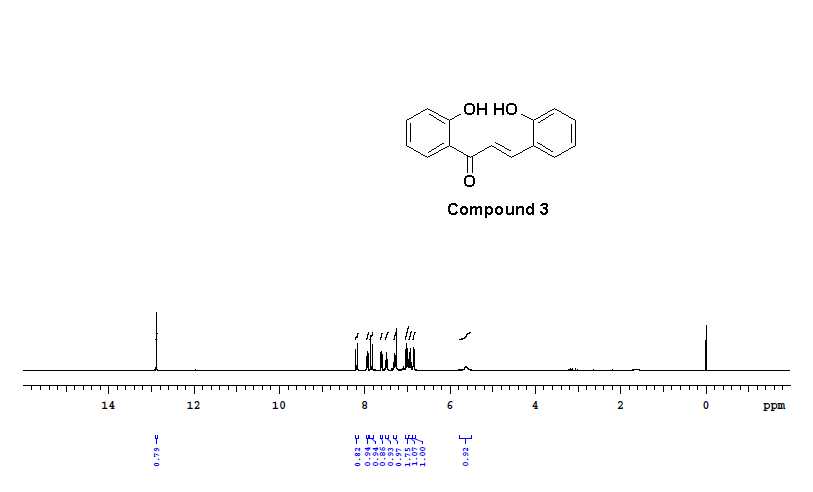
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*E*-mail:[**ashokdou@gmail.com**](mailto:ashokdou@gmail.com)

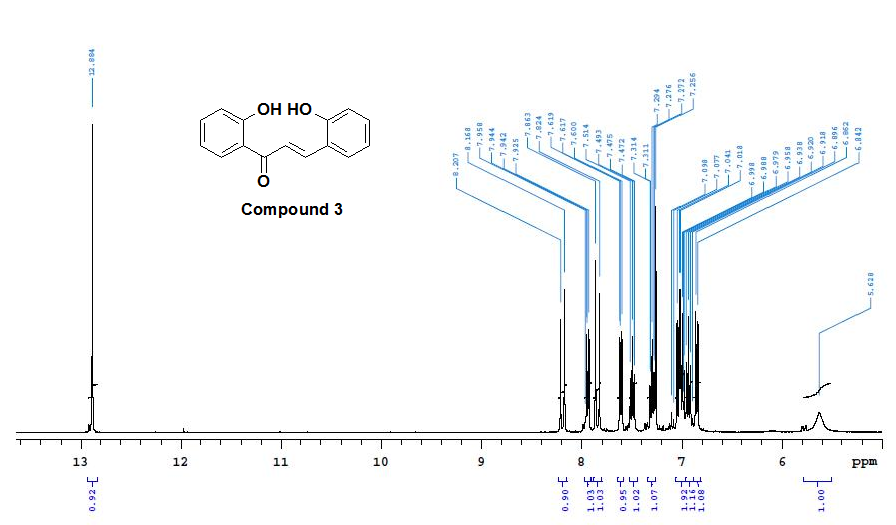
*Green and Medicinal Chemistry Laboratory, Department of Chemistry, Osmania University, Hyderabad, 500007, Telangana, India.*



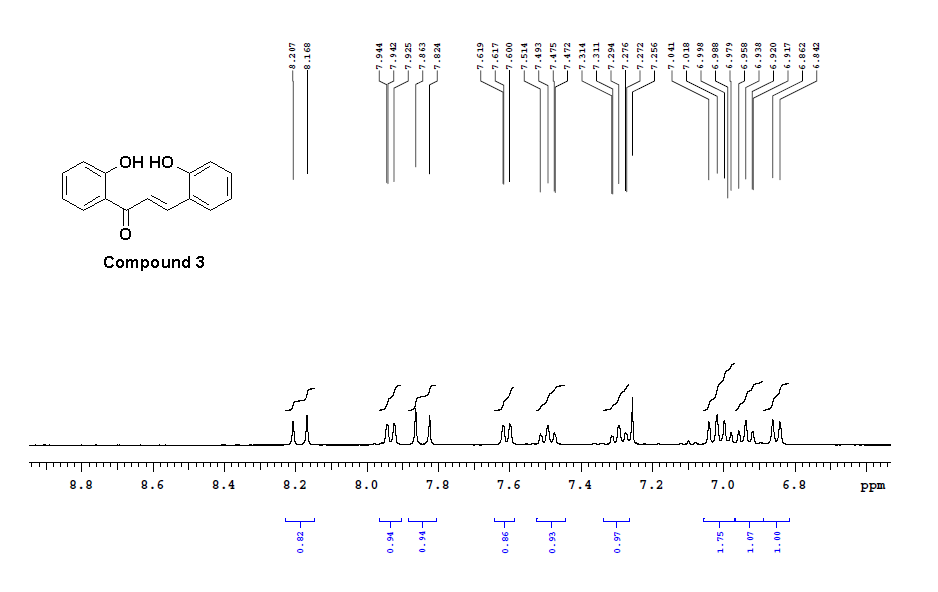
**Figure S1:** IR spectra of compound **3**



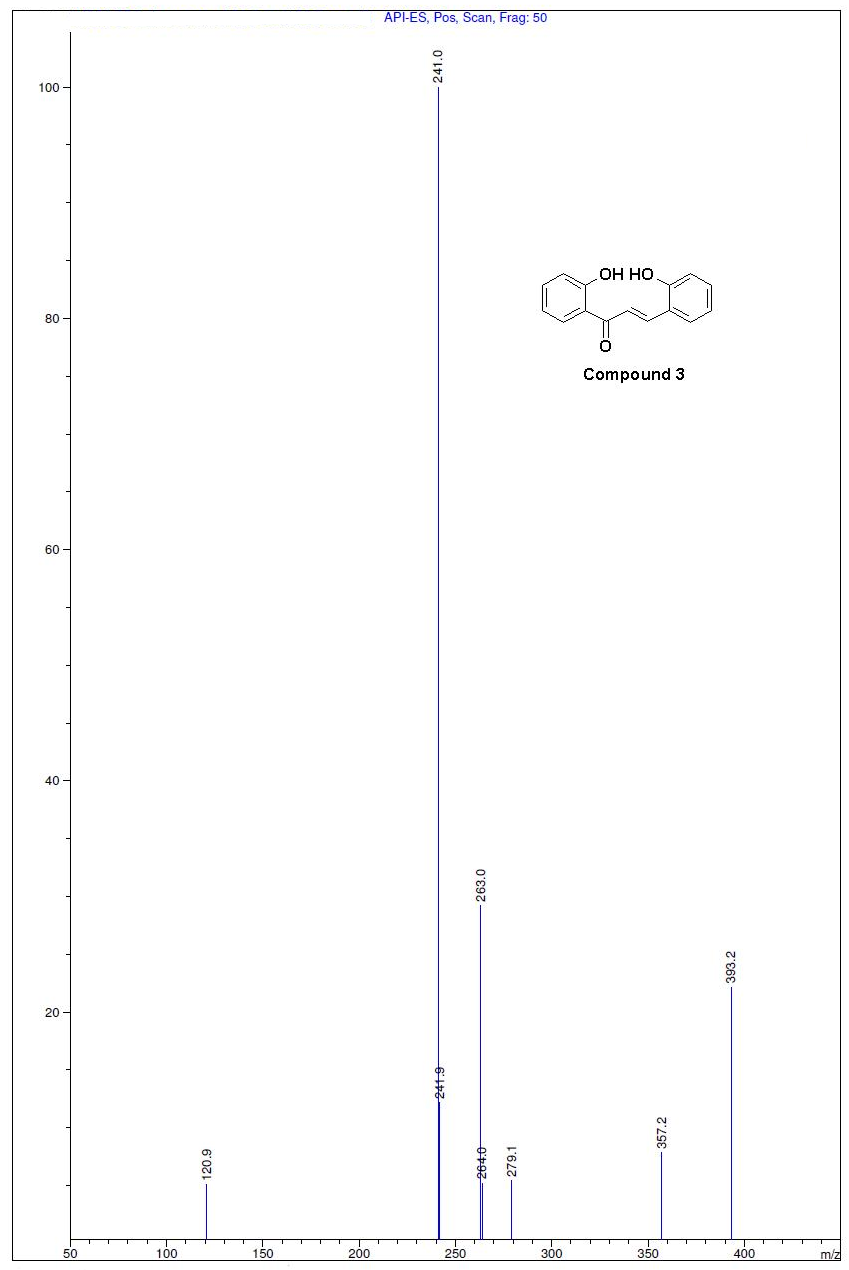
**Figure S2:** 1H-NMR (400 MHz, CDCl3) spectra of compound **3**



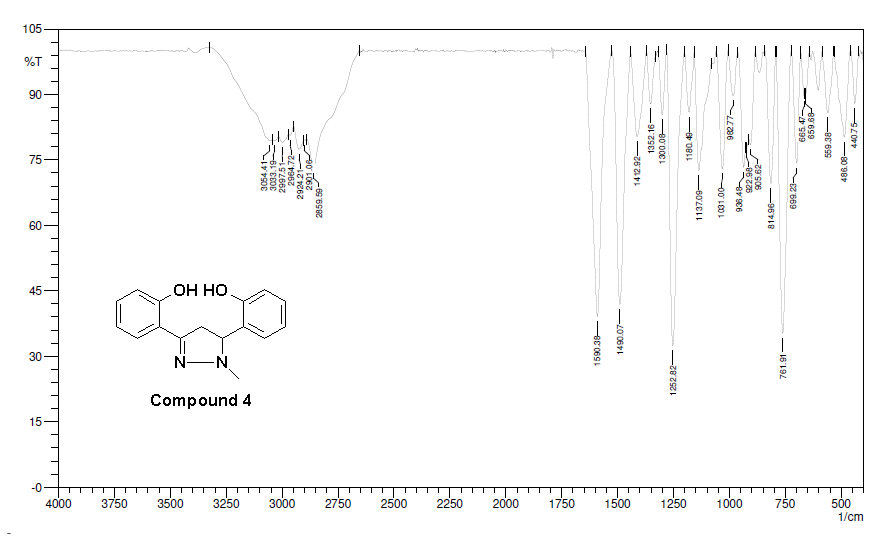
**Figure S3:** 1H-NMR (400 MHz, CDCl3) spectra of compound **3**



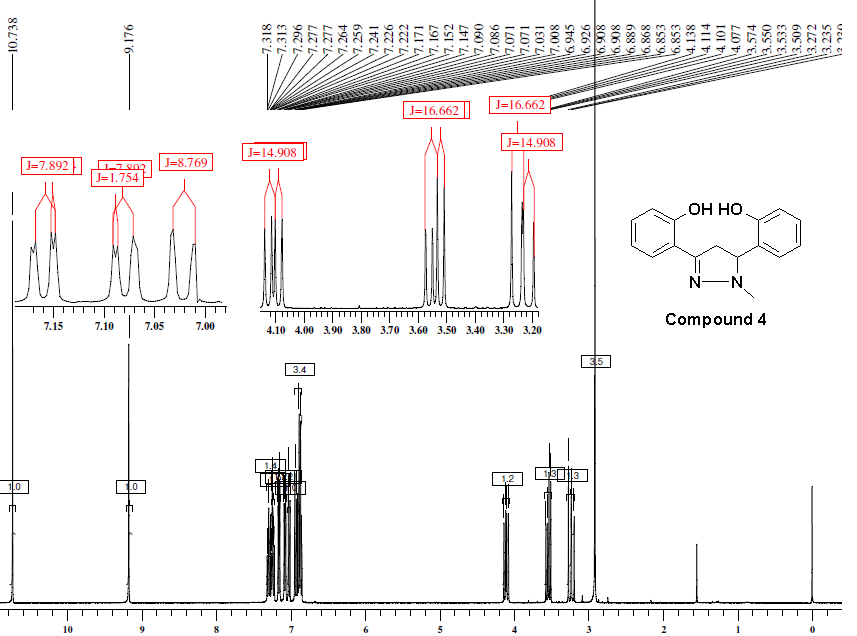
**Figure S4:** 1H-NMR (400 MHz, CDCl3) spectra of compound **3**



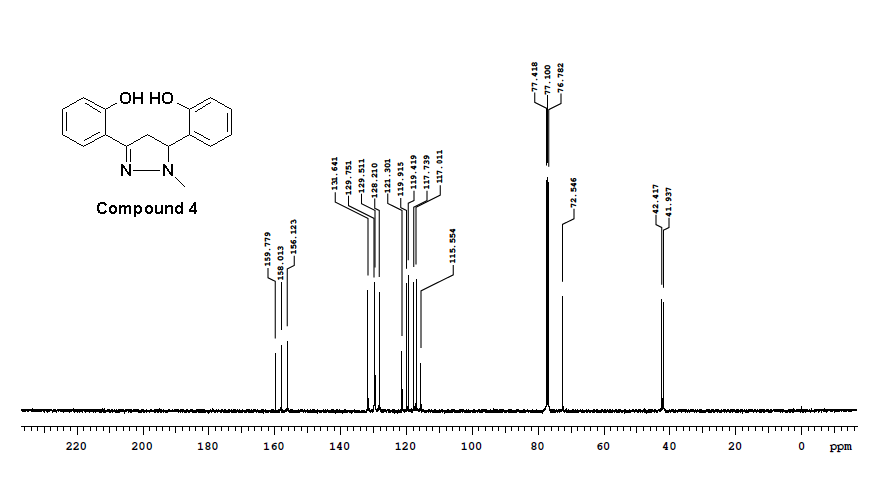
**Figure S5:** Mass spectra of compound **3**



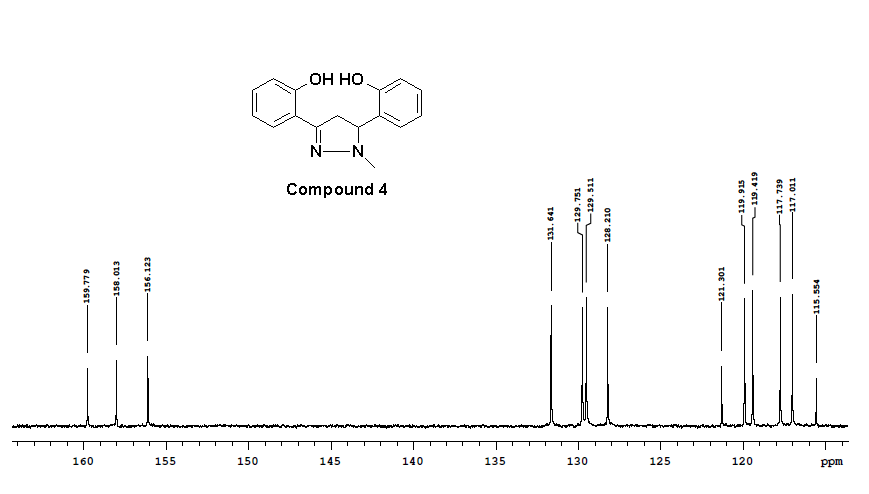
**Figure S6:** IR spectra of compound **4**



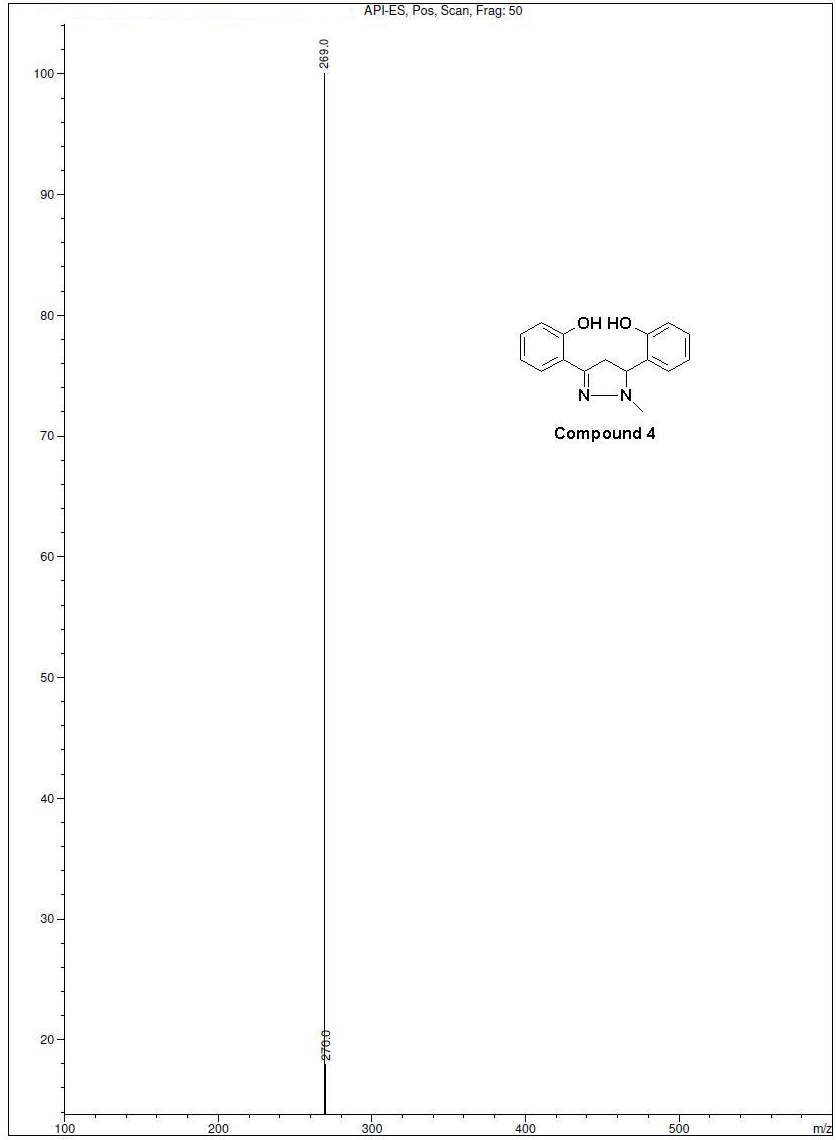
**Figure S7:** 1H-NMR (400 MHz, CDCl3) spectra of compound **4**



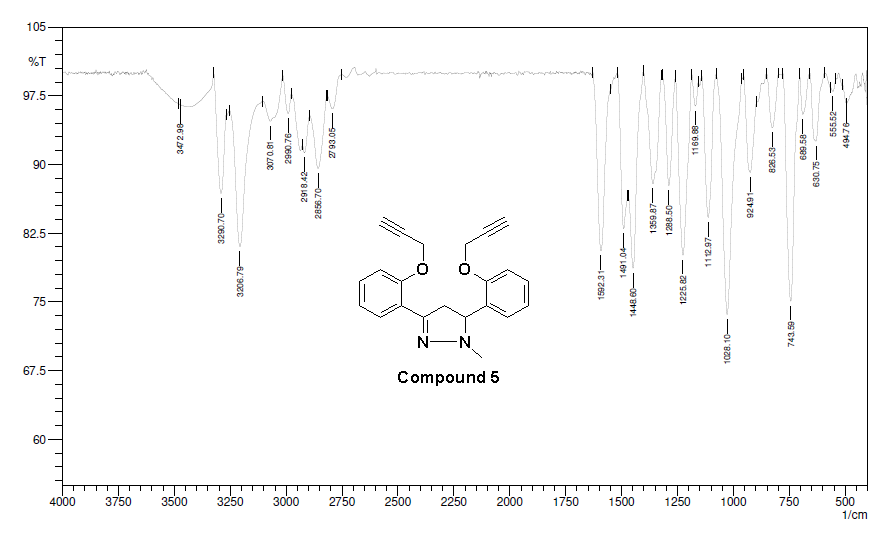
**Figure S8:** 13C NMR (100 MHz, CDCl3) spectra of compound **4**



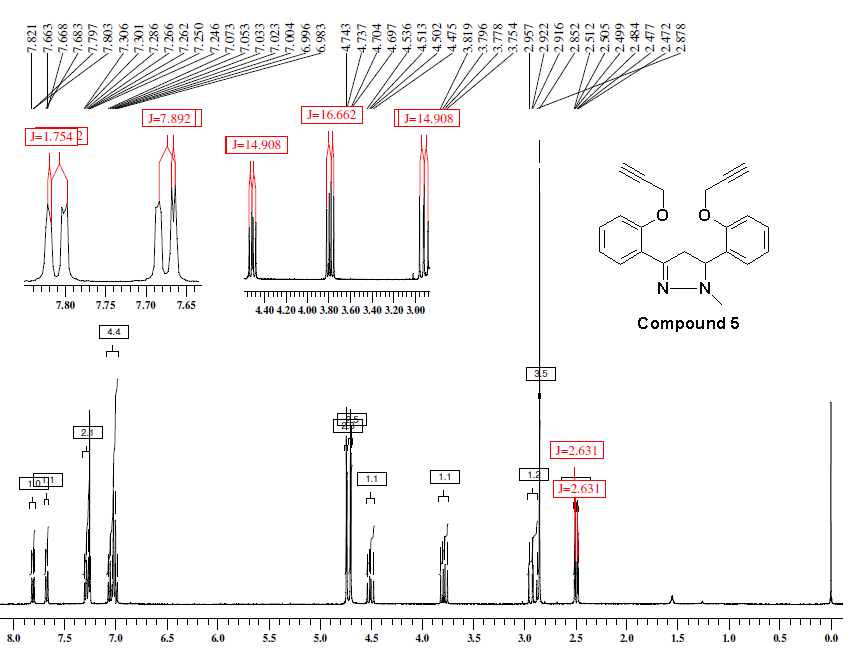
**Figure S9:** 13C NMR (100 MHz, CDCl3) spectra of compound **4**



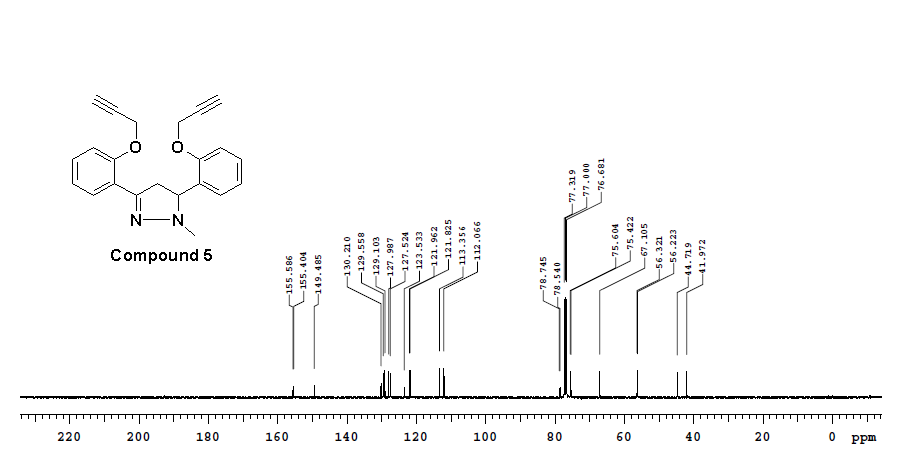
**Figure S10:** Mass spectra of compound **4**



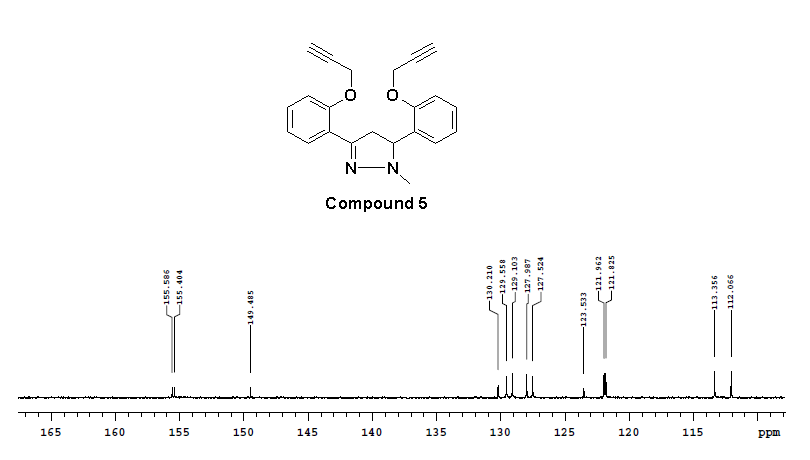
**Figure S11:** IR spectra of compound **5**



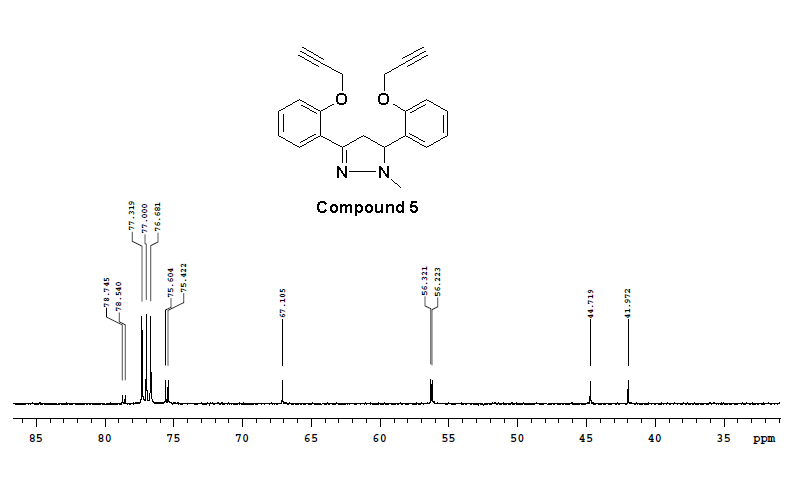
**Figure S12:** 1H-NMR (400 MHz, CDCl3) spectra of compound **5**



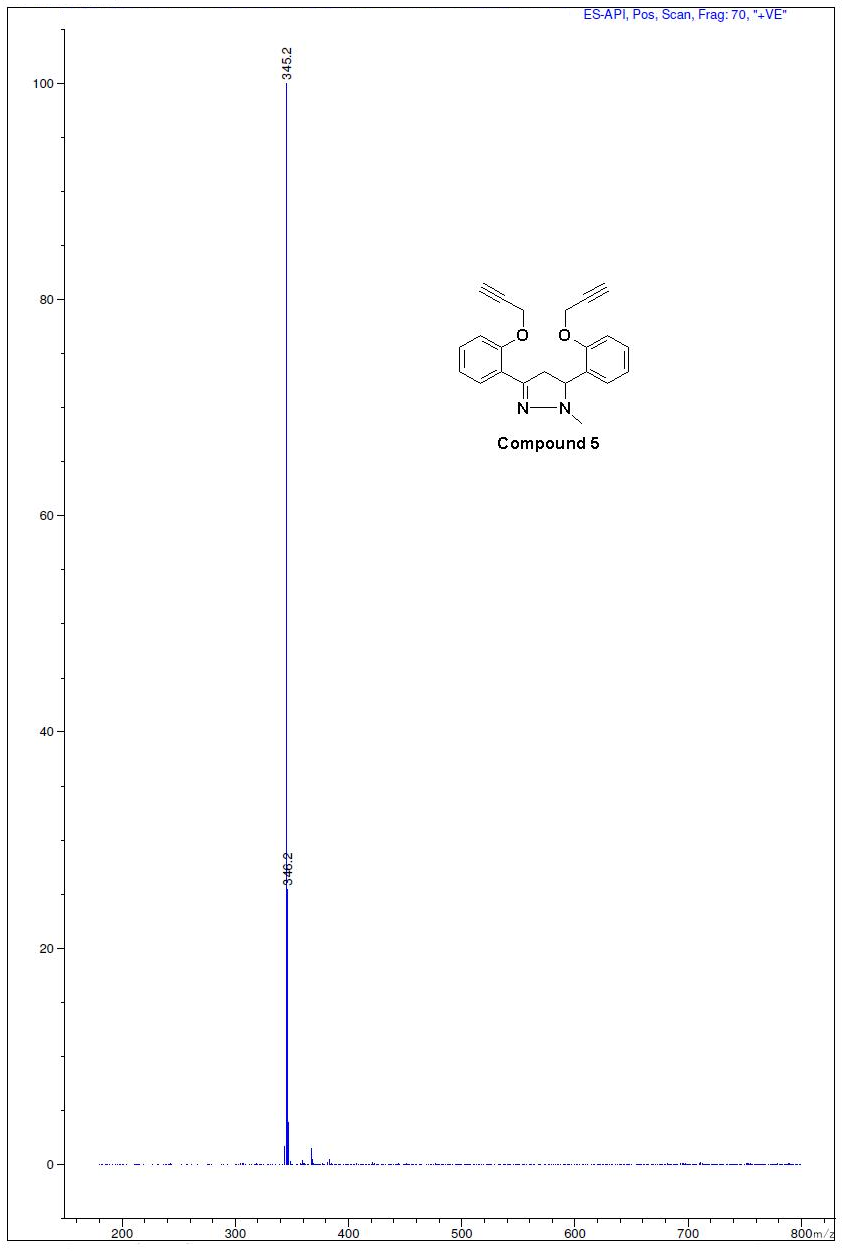
**Figure S13:** 13C NMR (100 MHz, CDCl3) spectra of compound **5**



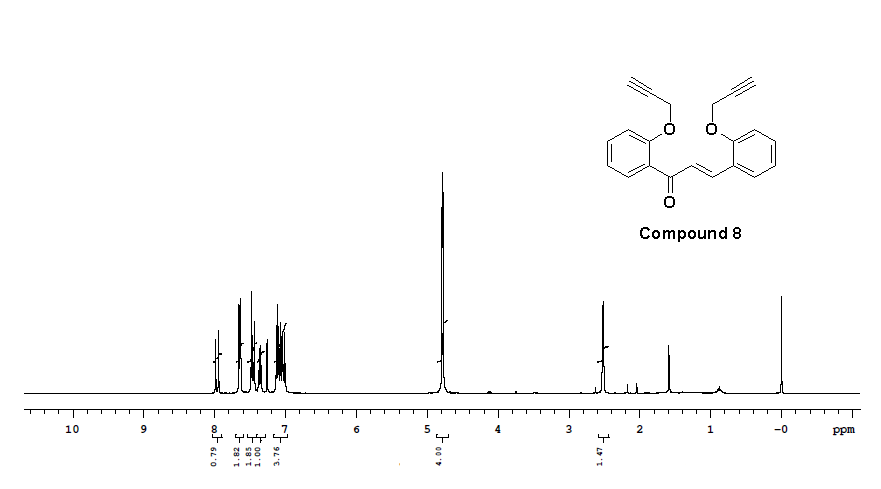
**Figure S14:** 13C NMR (100 MHz, CDCl3) spectra of compound **5**



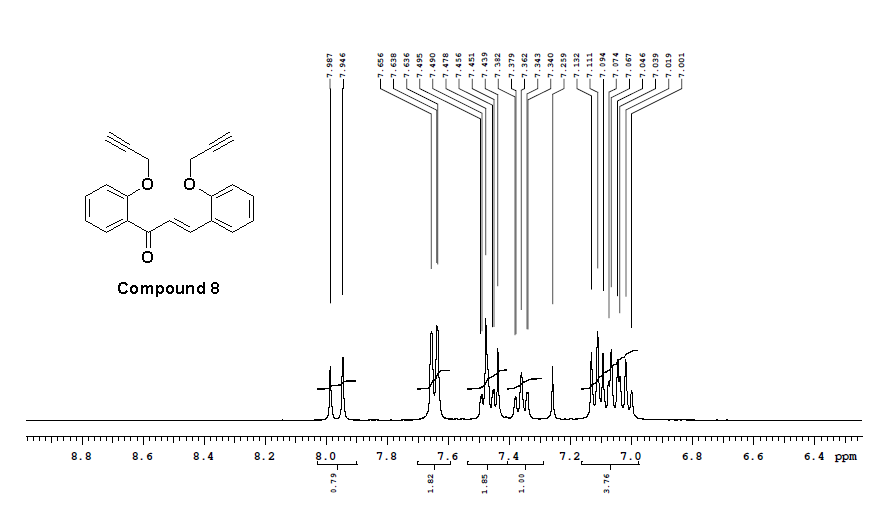
**Figure S15:** 13C NMR (100 MHz, CDCl3) spectra of compound **5**



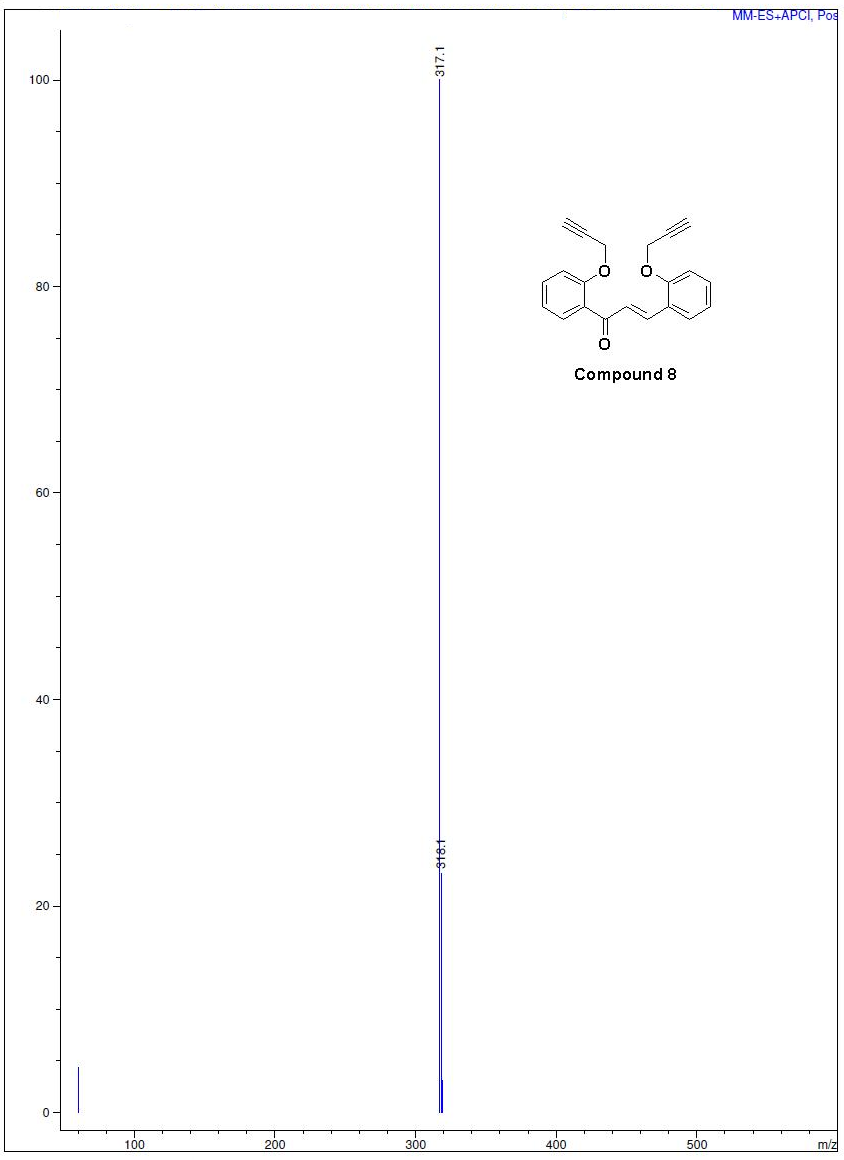
**Figure S16:** Mass spectra of compound **5**



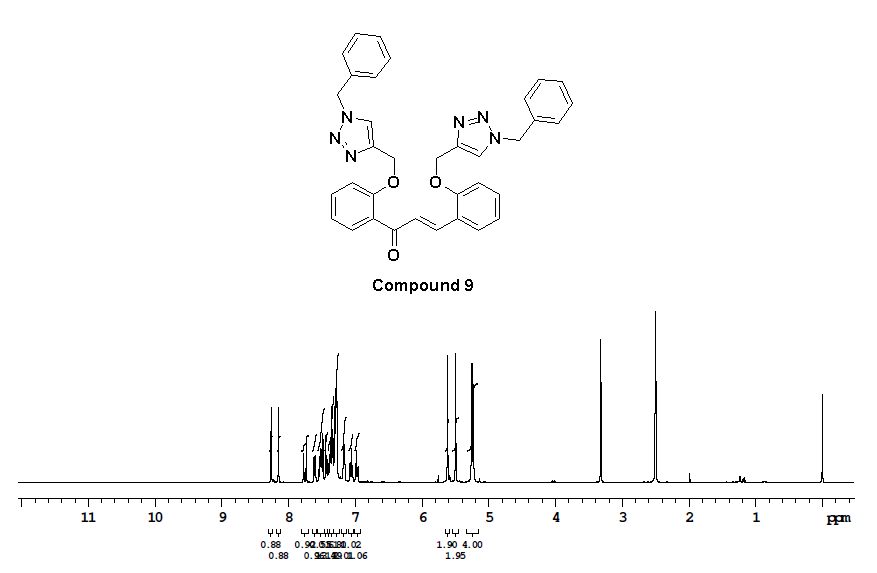
**Figure S17:** 1H-NMR (400 MHz, CDCl3) spectra of compound **8**



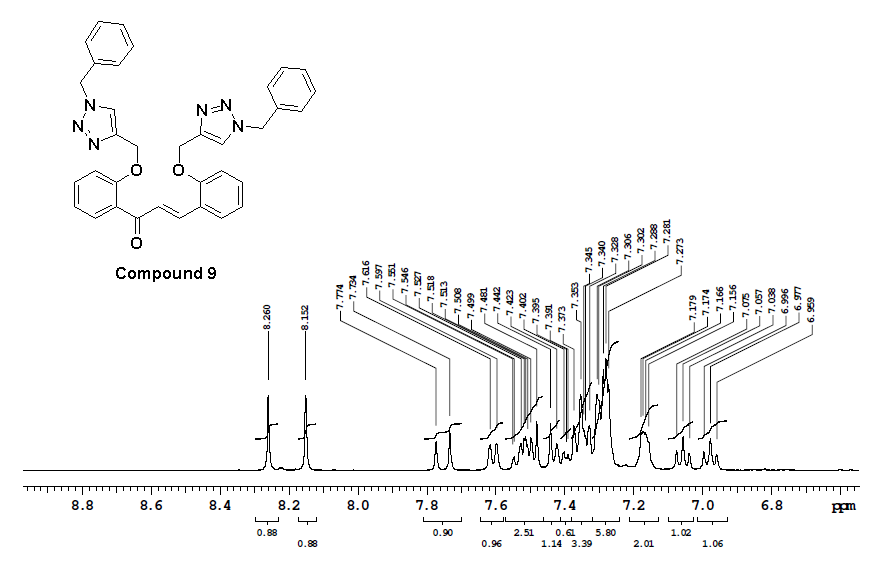
**Figure S18:** 1H-NMR (400 MHz, CDCl3) spectra of compound **8**



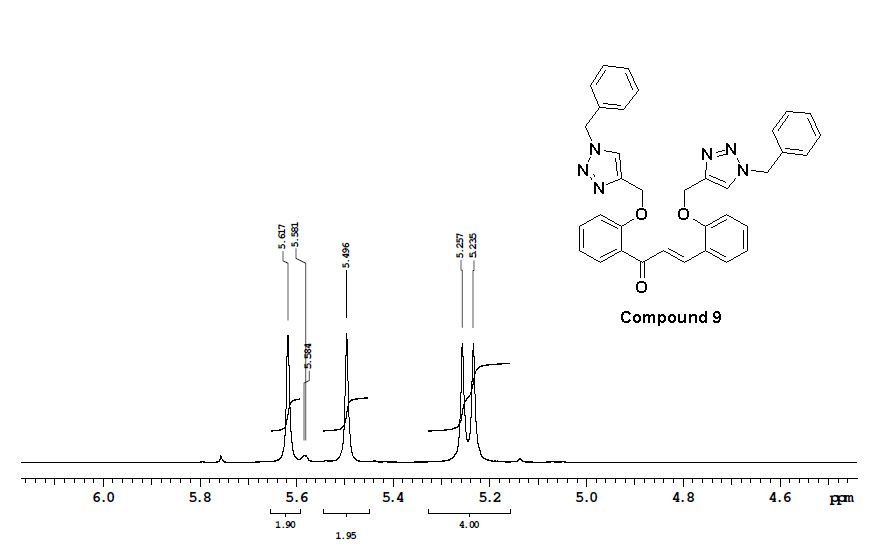
**Figure S19:** Mass spectra of compound **8**



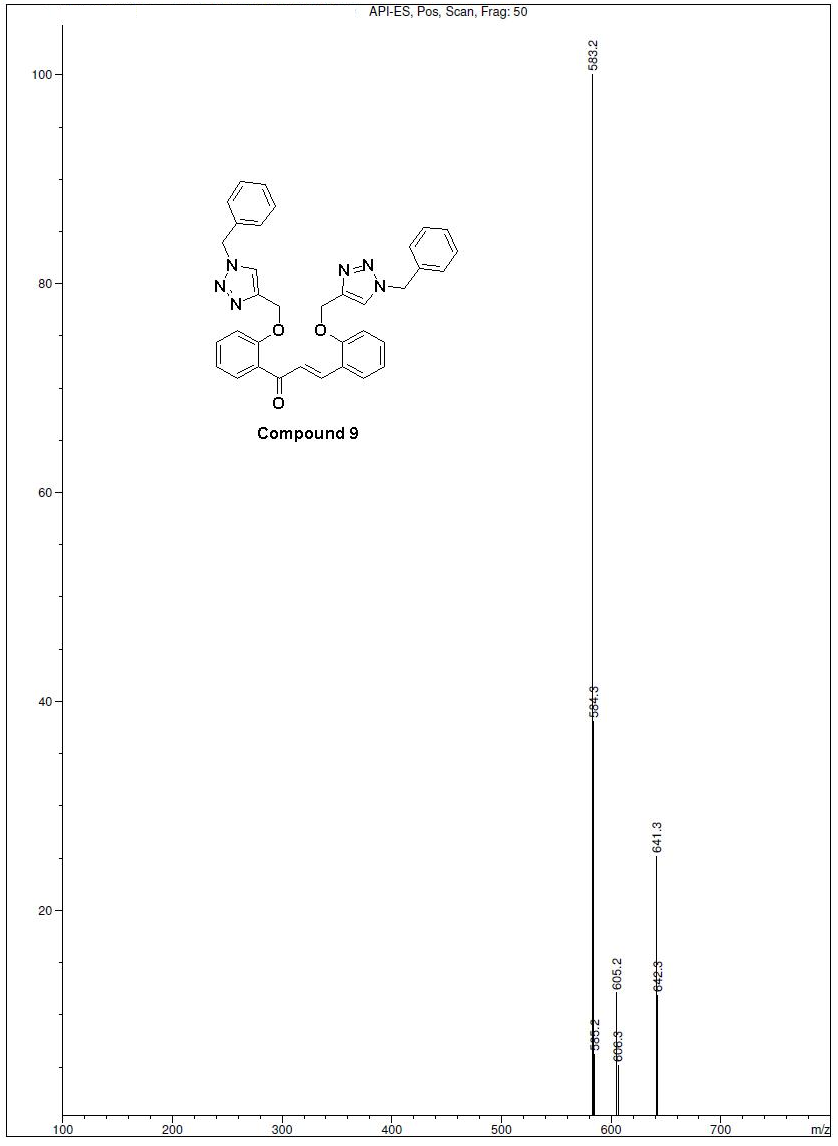
**Figure S20:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **9**



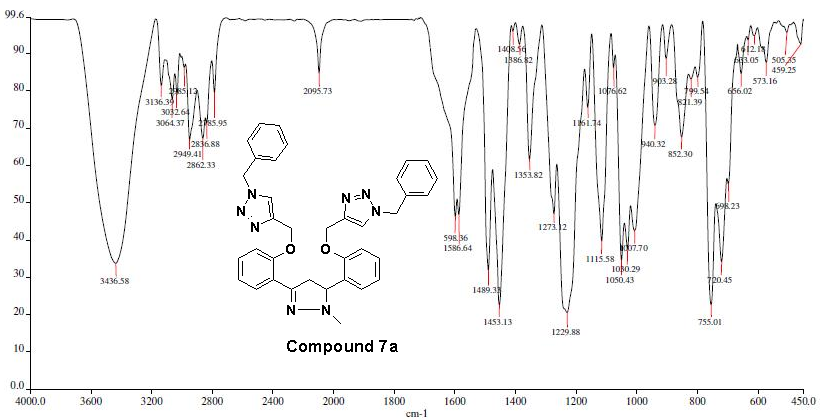
**Figure S21:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **9**



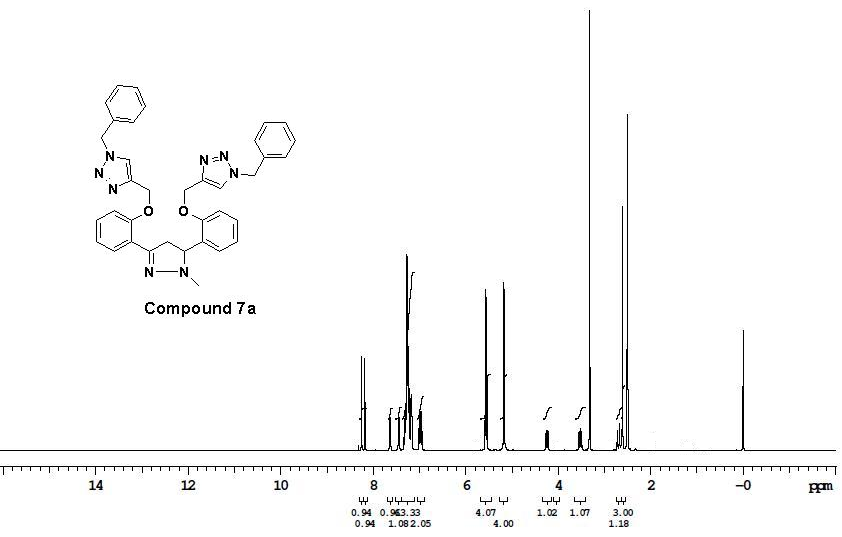
**Figure S22:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **9**



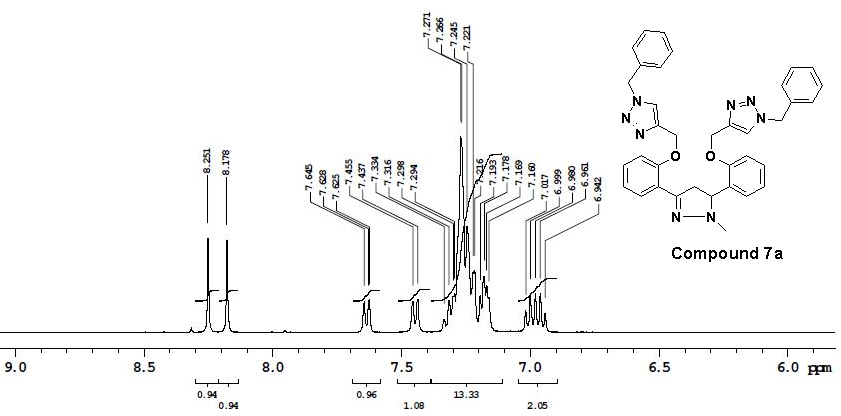
**Figure S23:** Mass spectra of compound **9**



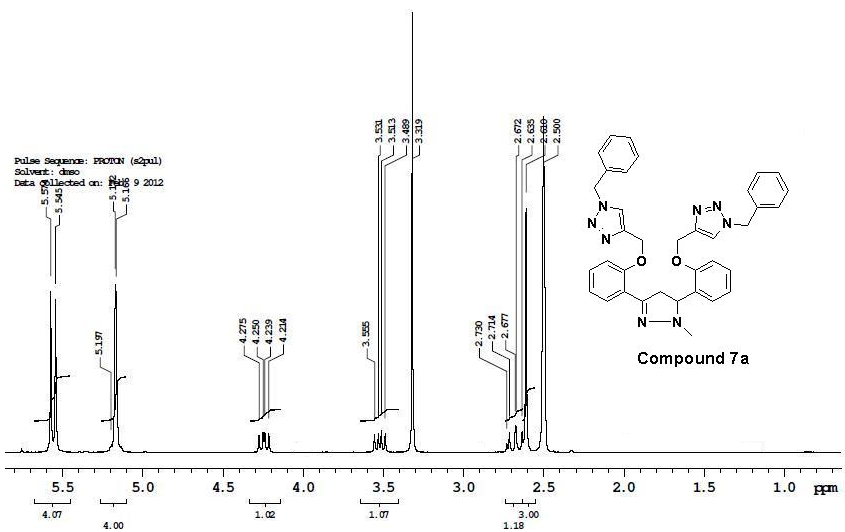
**Figure S24:** IR spectra of compound **7a**



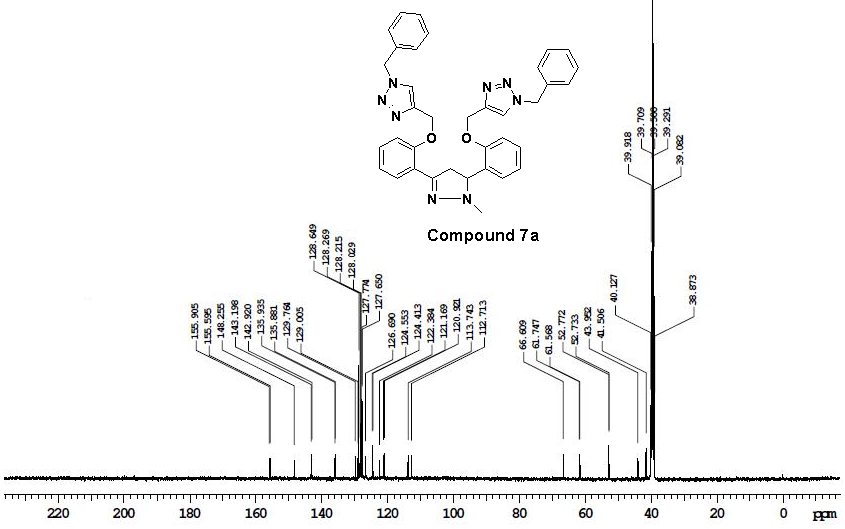
**Figure S25:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7a**



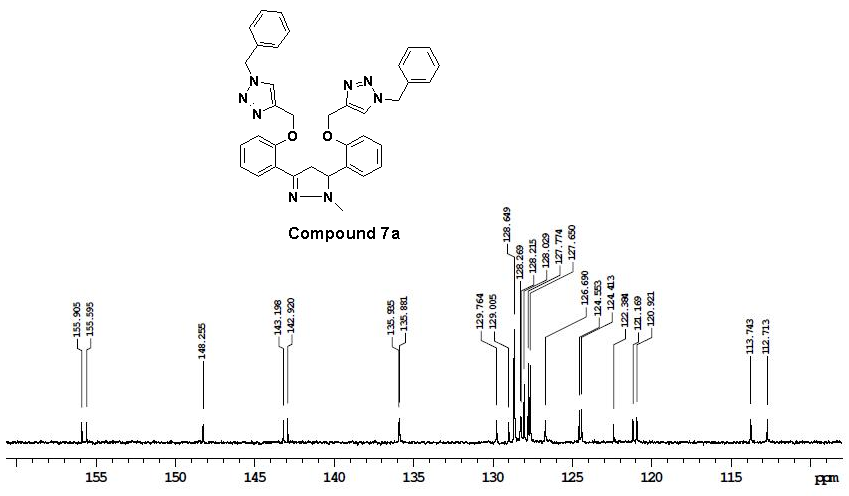
**Figure S26:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7a**



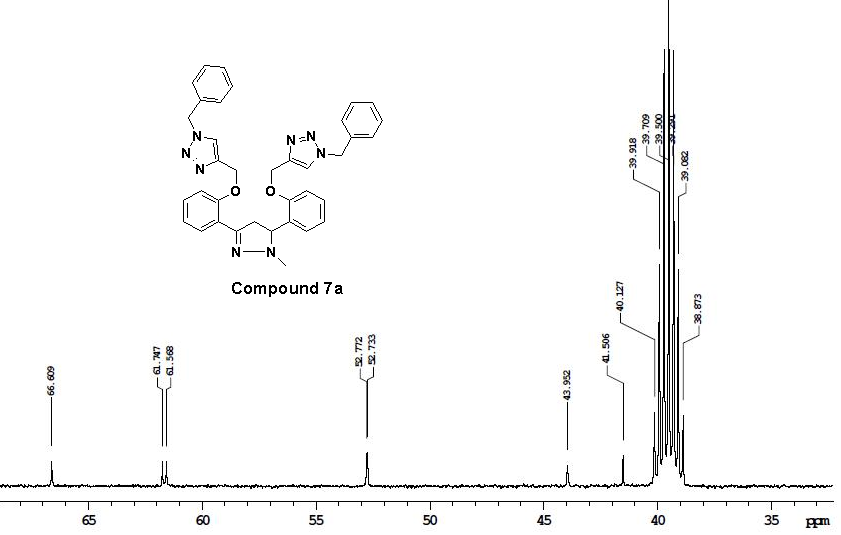
**Figure S27:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7a**



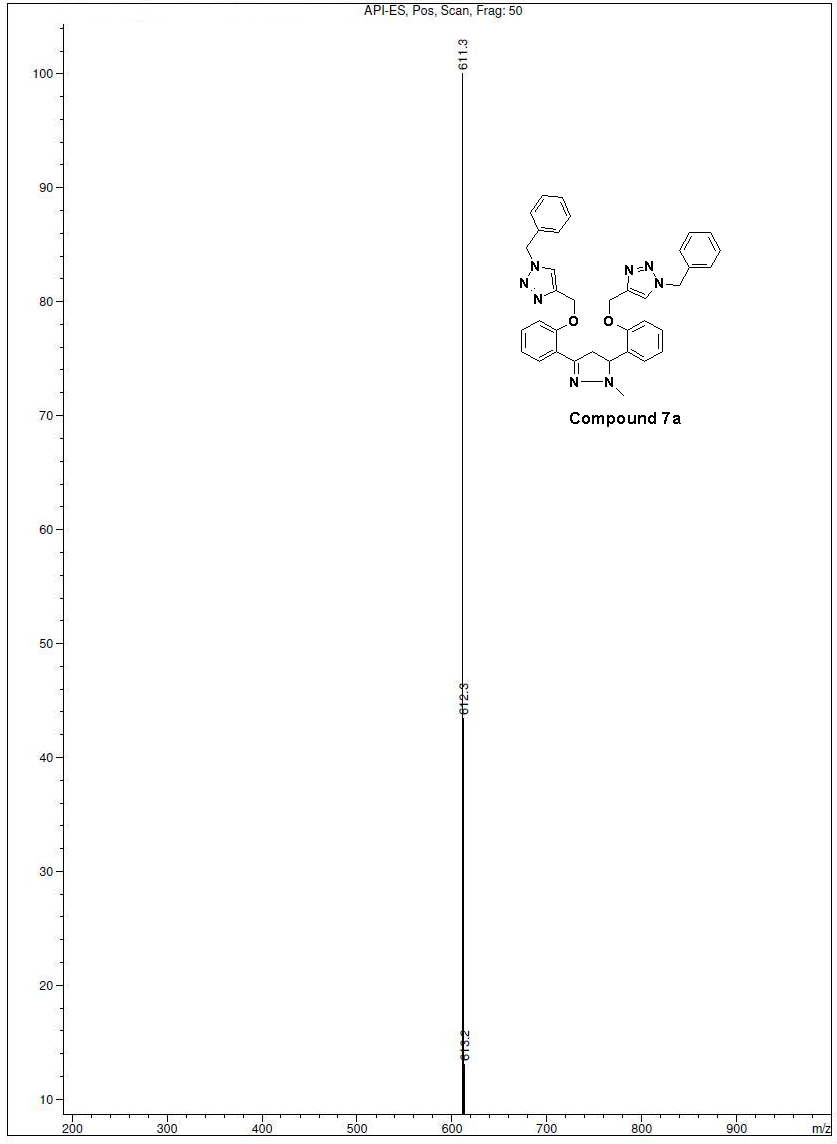
**Figure S28:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7a**



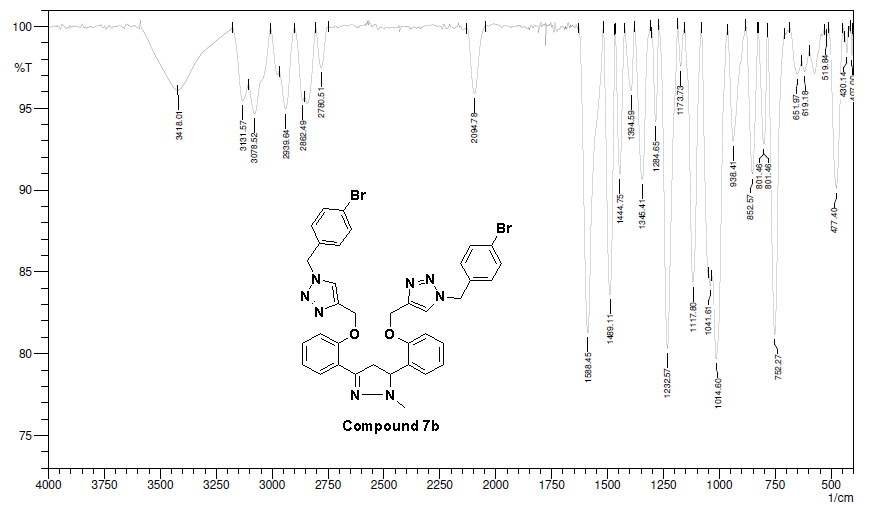
**Figure S29:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7a**



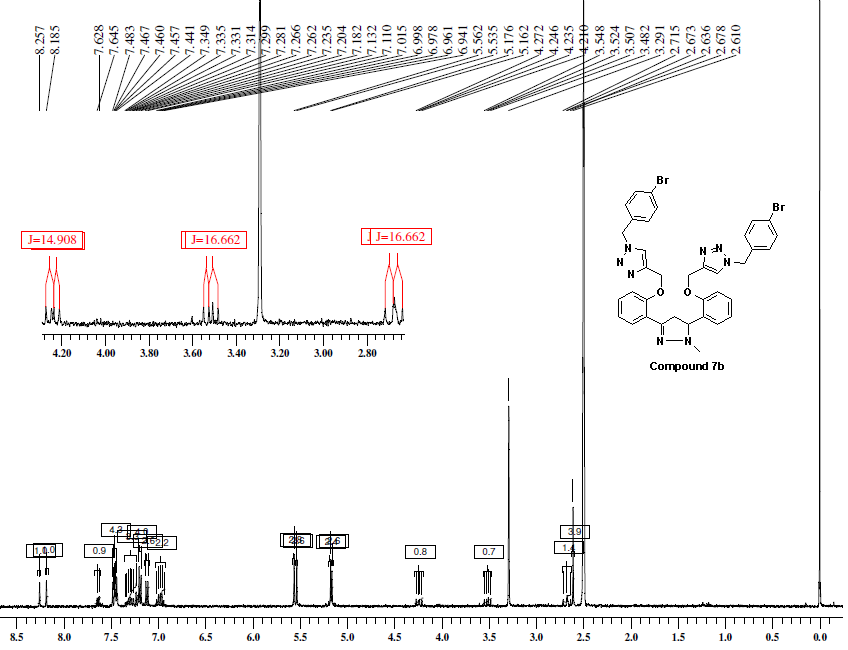
**Figure S30:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7a**



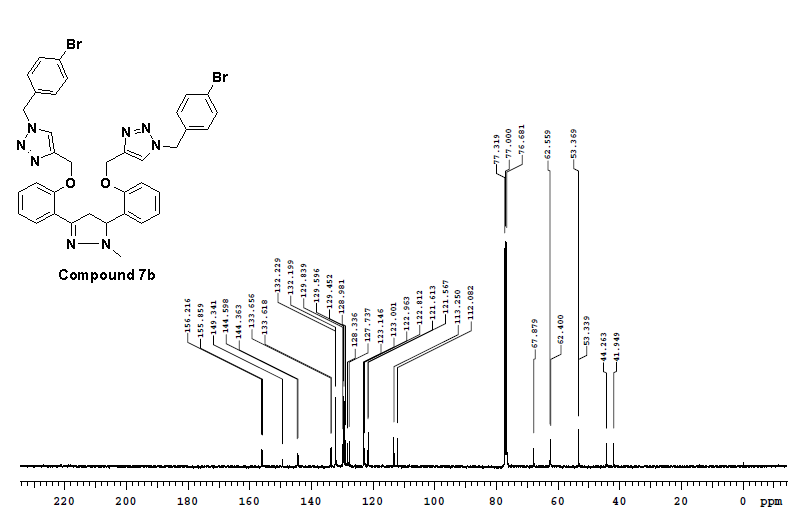
**Figure S31:** Mass spectra of compound **7a**



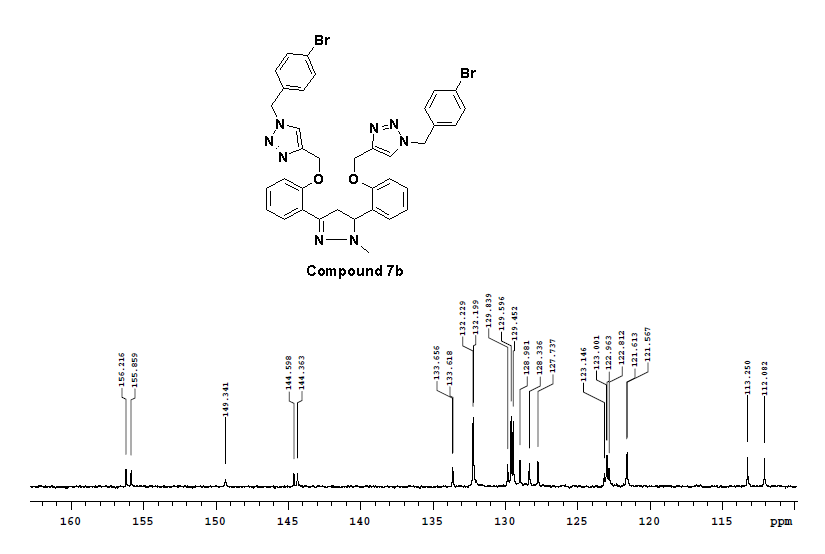
**Figure S32:** IR spectra of compound **7b**



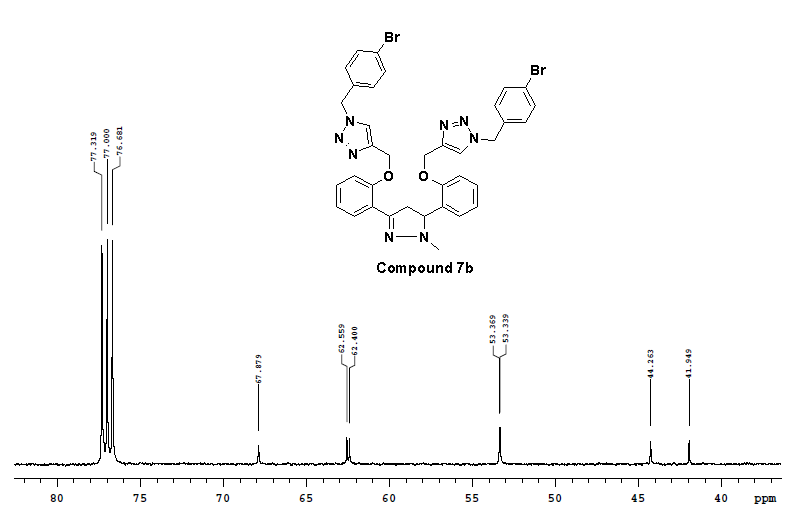
**Figure S33:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7b**



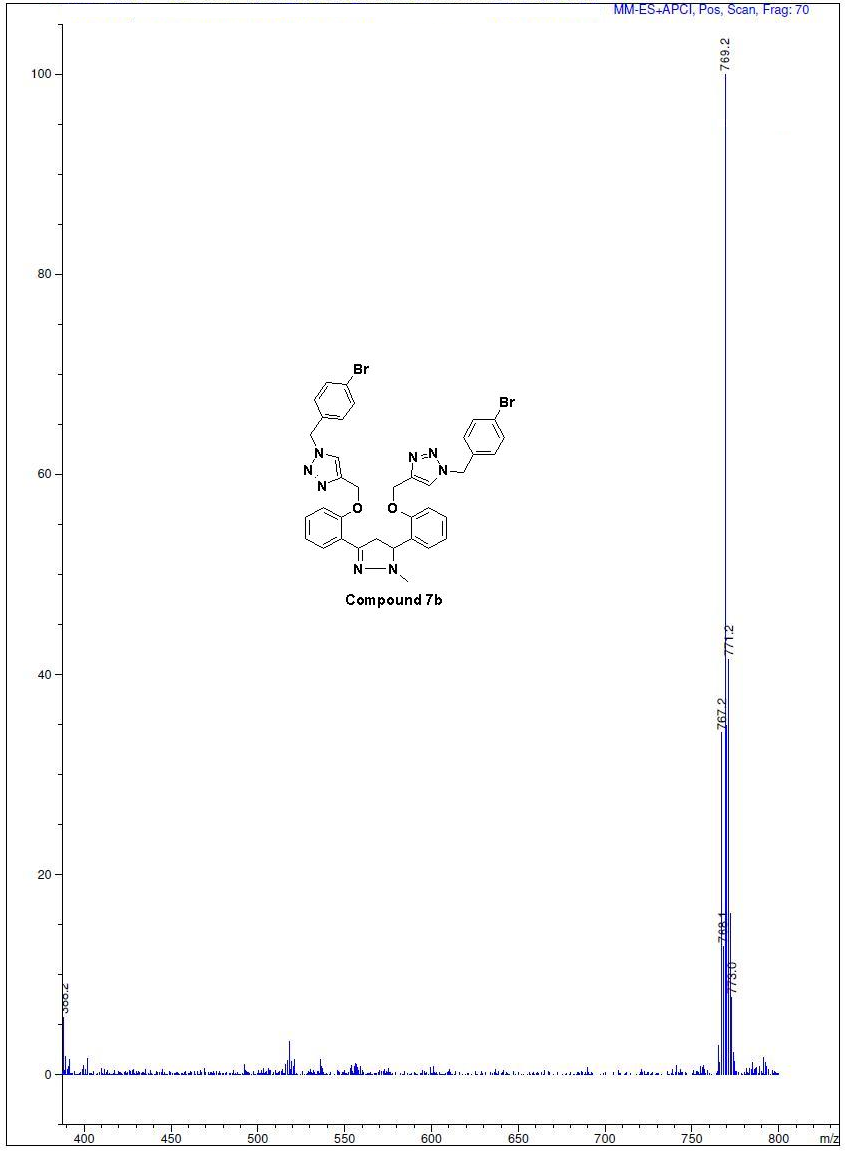
**Figure S34:** 13C NMR (100 MHz, CDCl3) spectra of compound **7b**



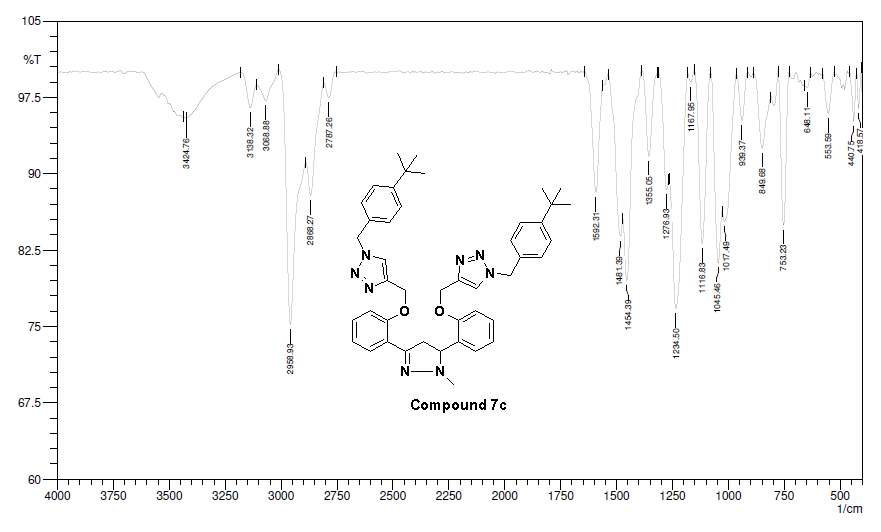
**Figure S35:** 13C NMR (100 MHz, CDCl3) spectra of compound **7b**



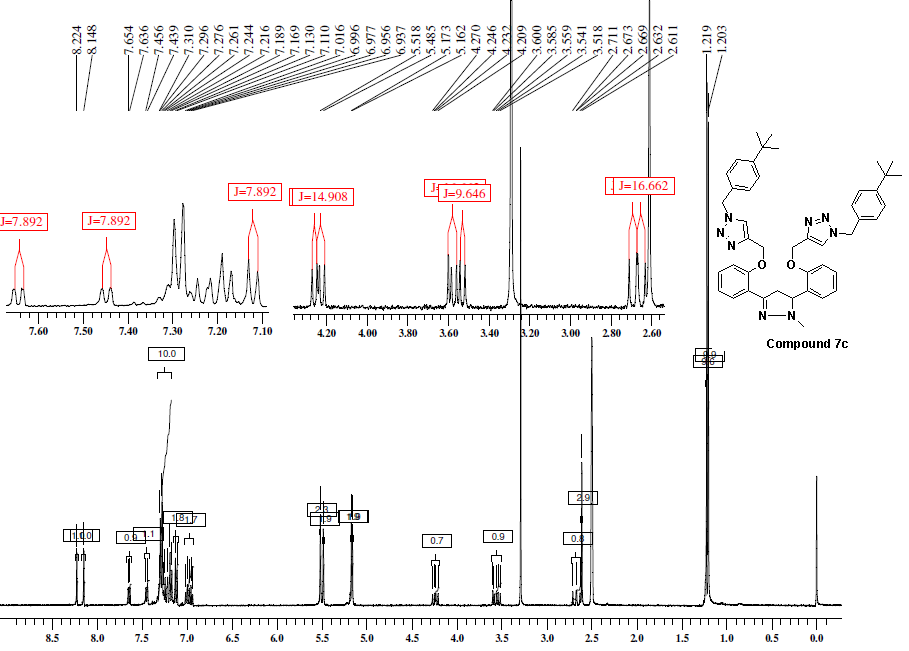
**Figure S36:** 13C NMR (100 MHz, CDCl3) spectra of compound **7b**



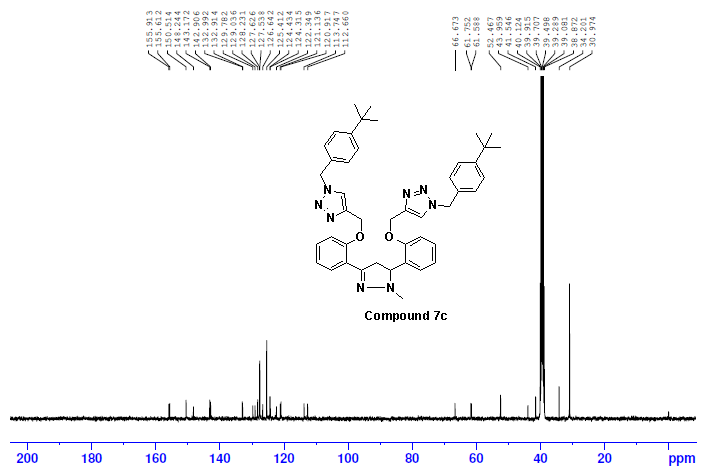
**Figure S37:** Mass spectra of compound **7b**



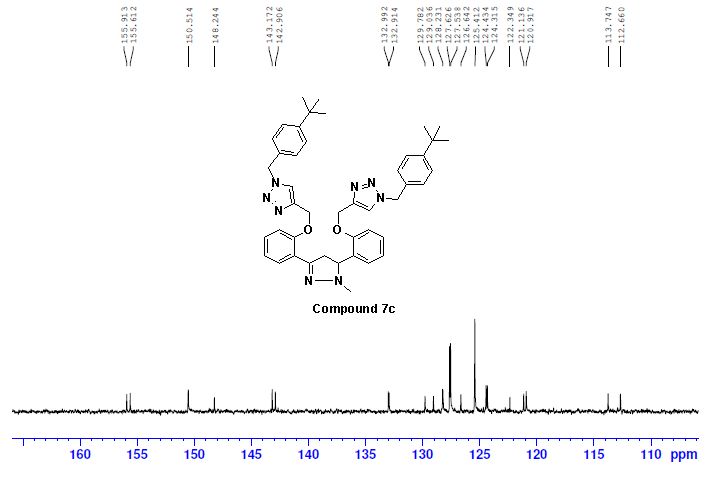
**Figure S38:** IR spectra of compound **7c**



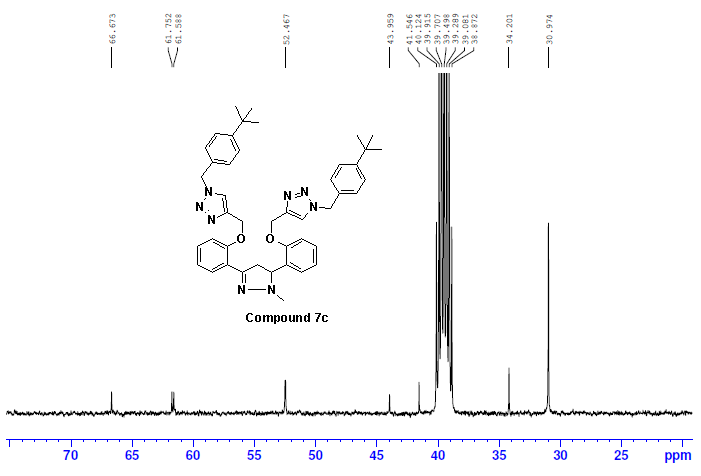
**Figure S39:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7c**



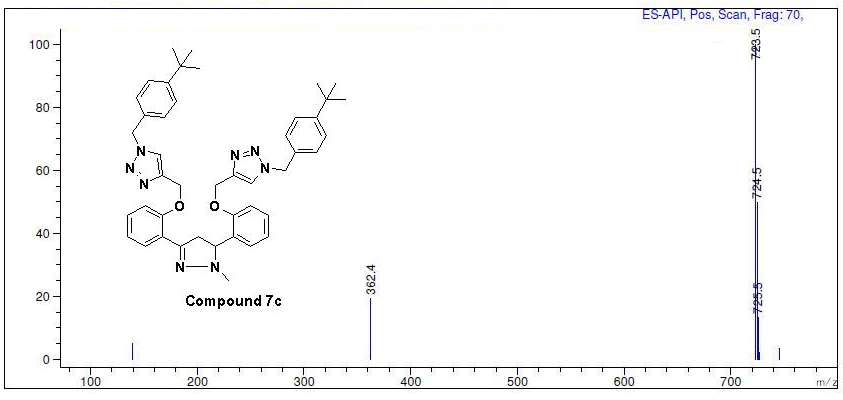
**Figure S40:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7c**



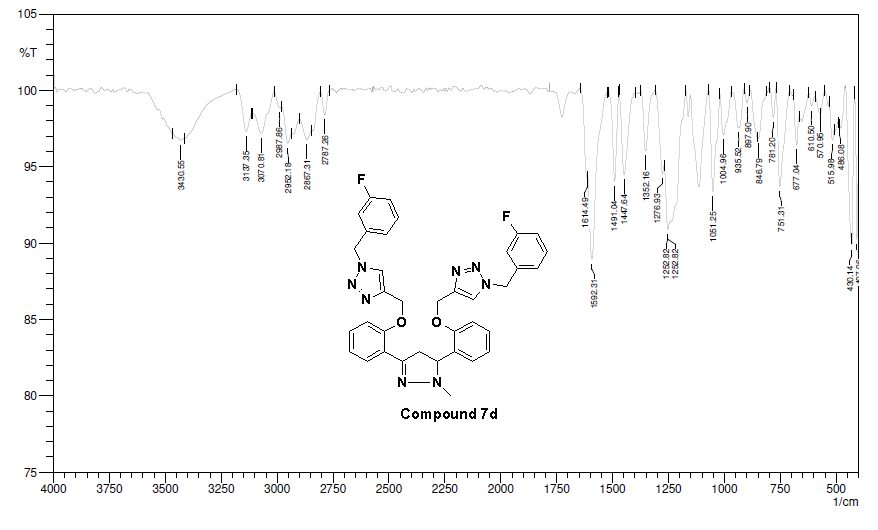
**Figure S41:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7c**



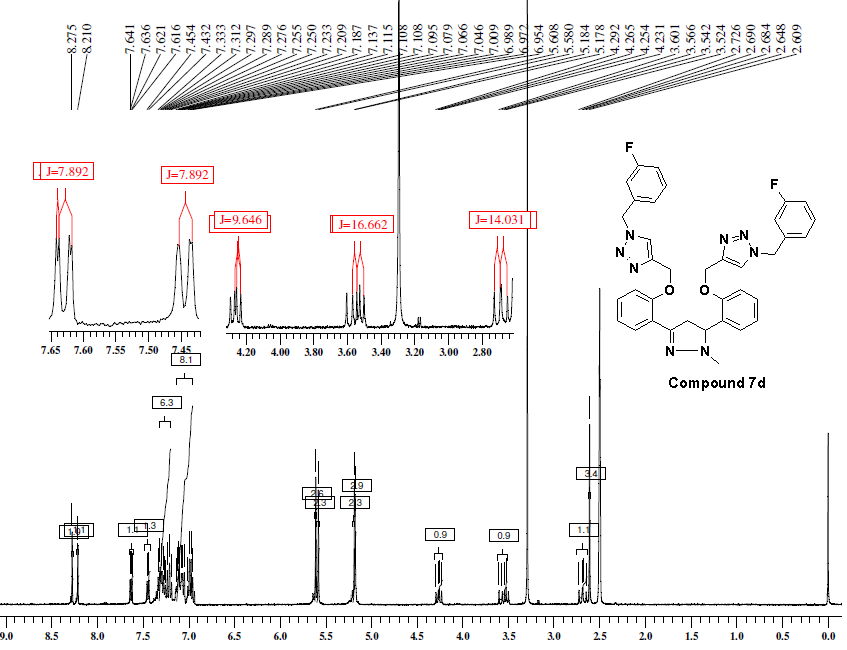
**Figure S42:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7c**



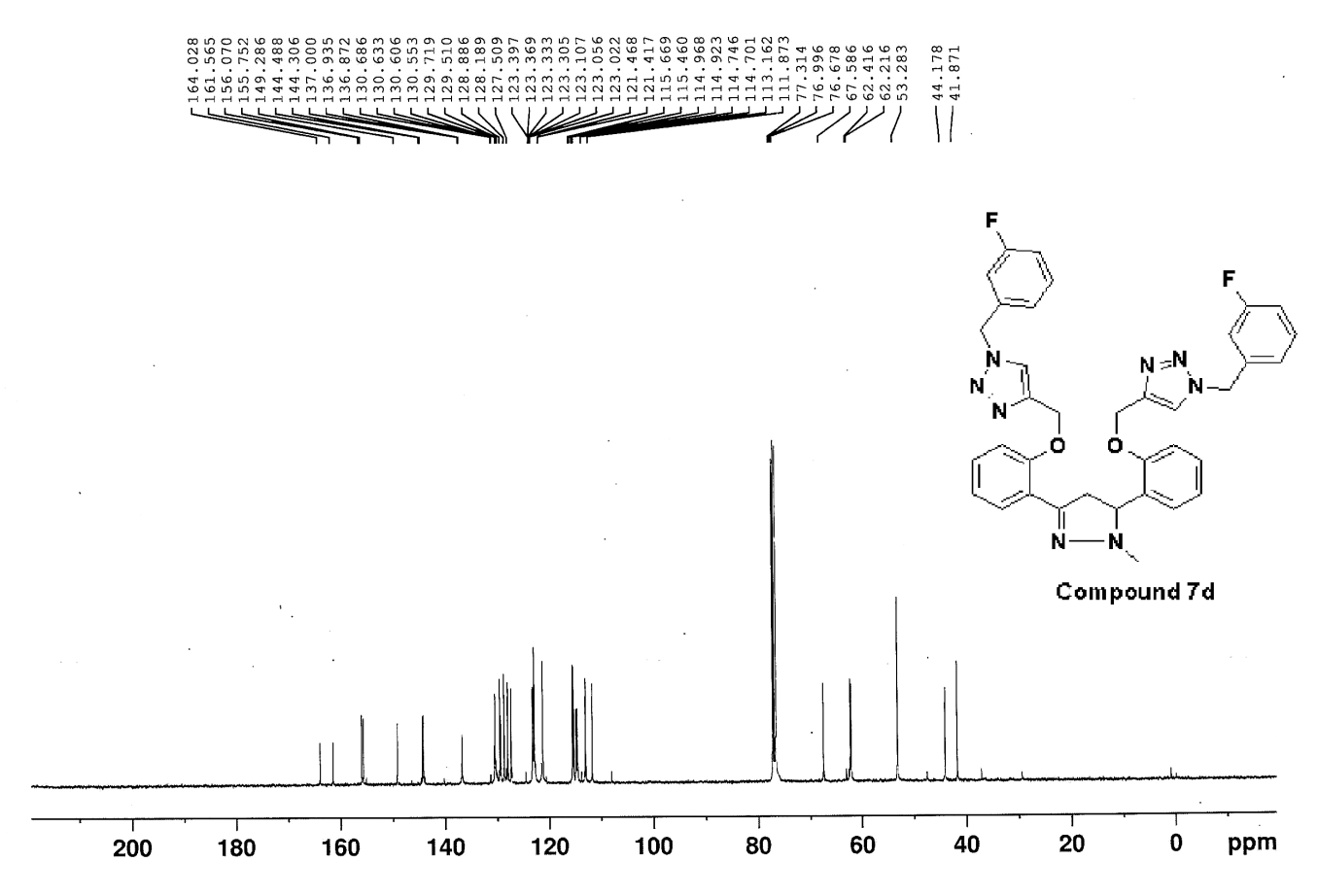
**Figure S43:** Mass spectra of compound **7c**



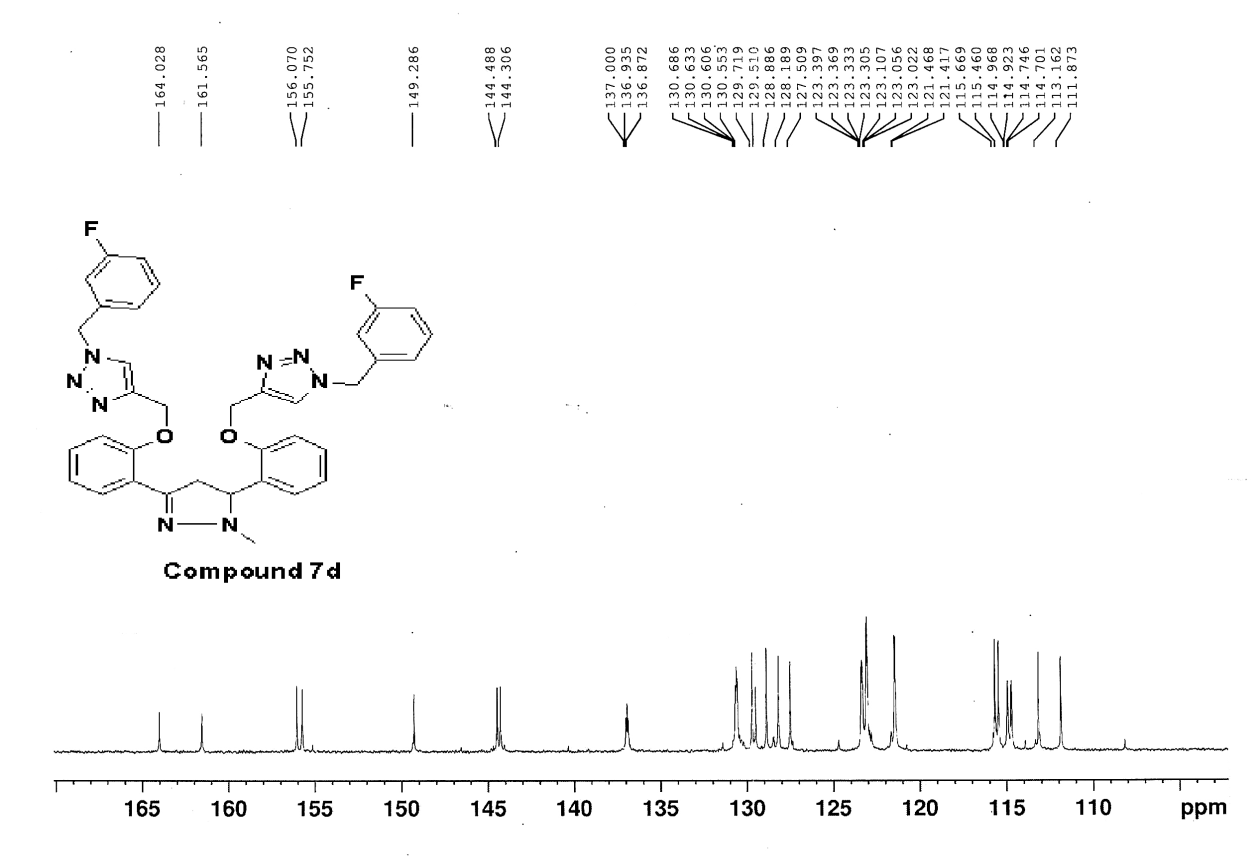
**Figure S44:** IR spectra of compound **7d**



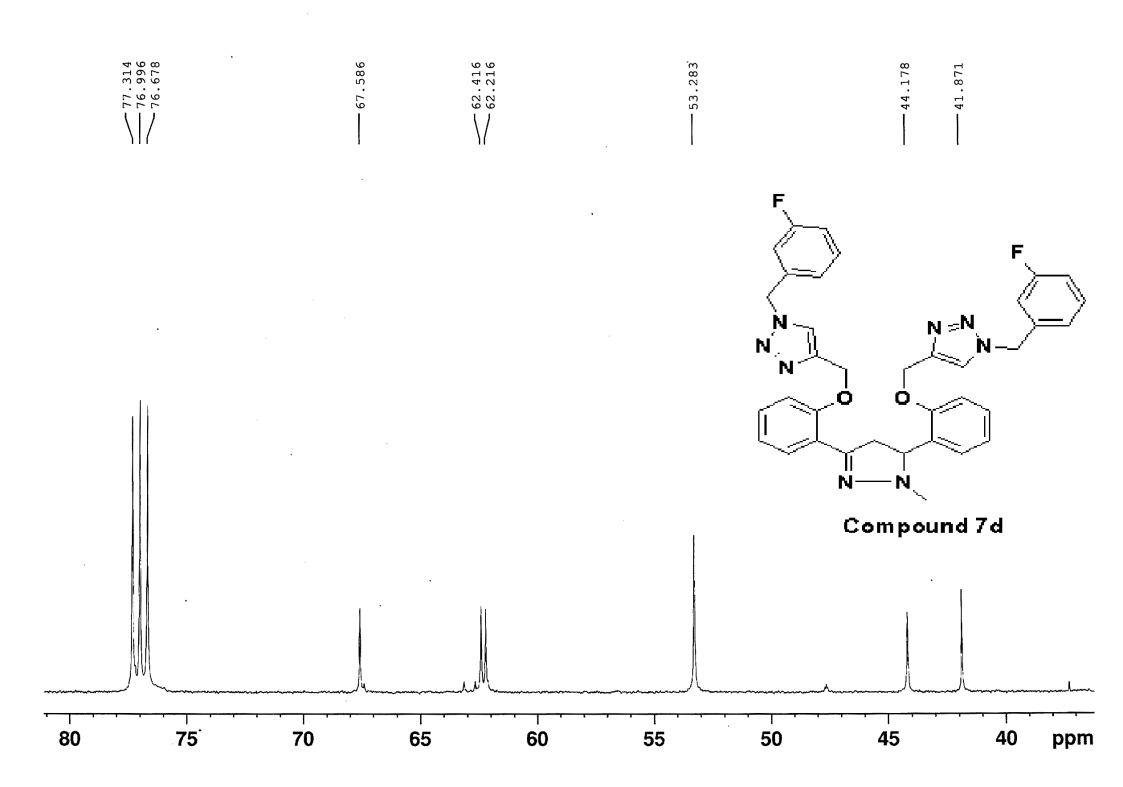
**Figure S45:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7d**



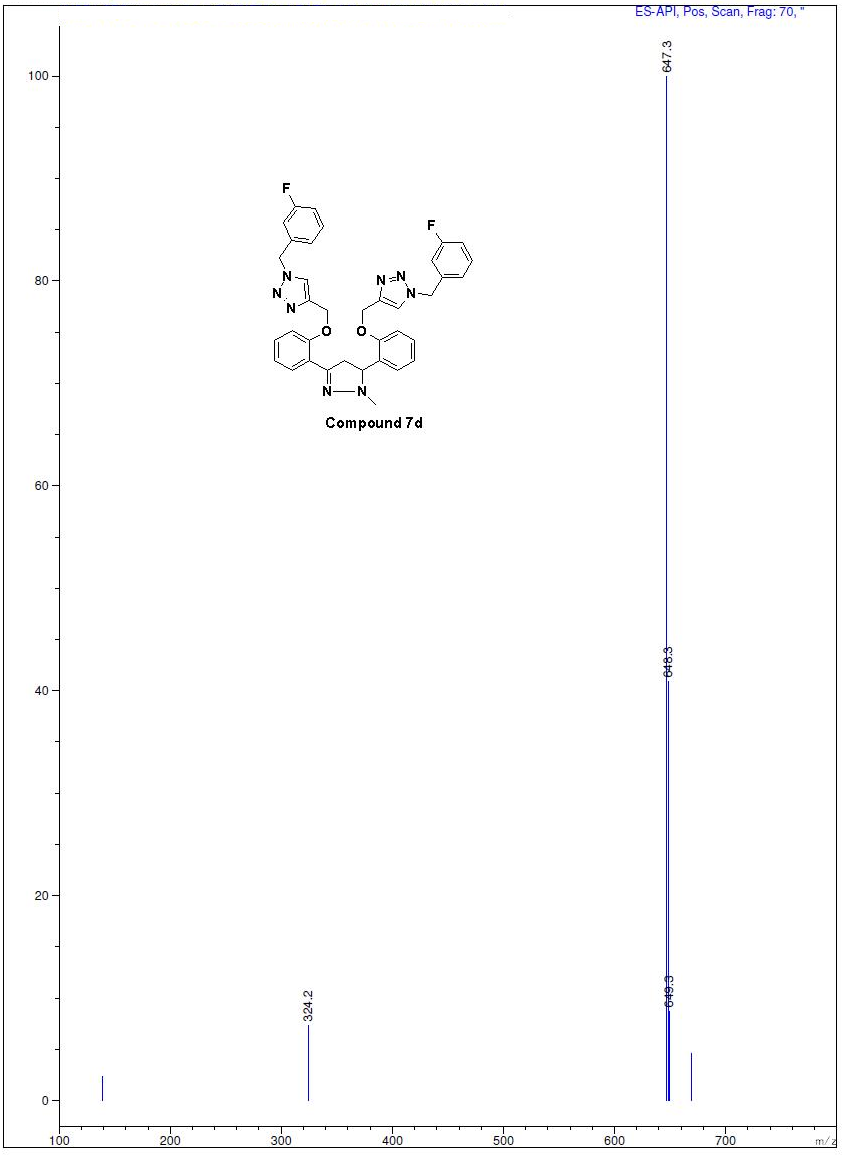
**Figure S46:** 13C NMR (100 MHz, CDCl3) spectra of compound **7d**



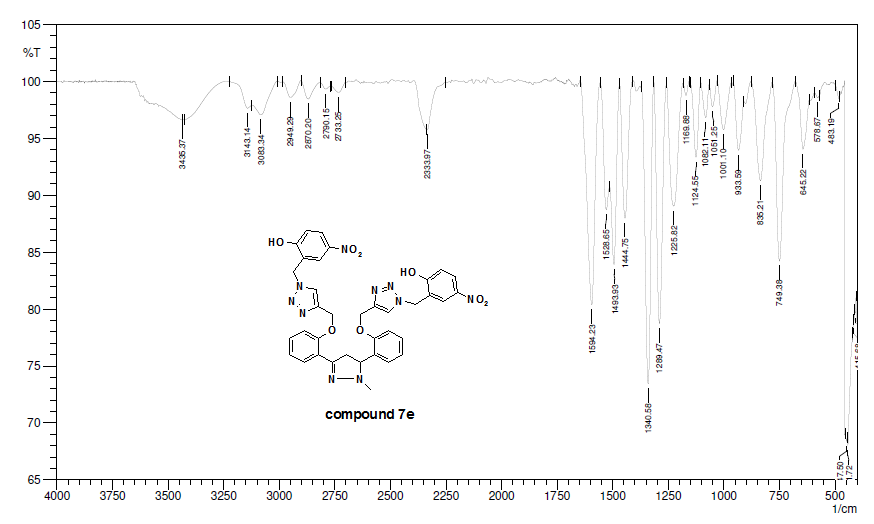
**Figure S47:** 13C NMR (100 MHz, CDCl3) spectra of compound **7d**



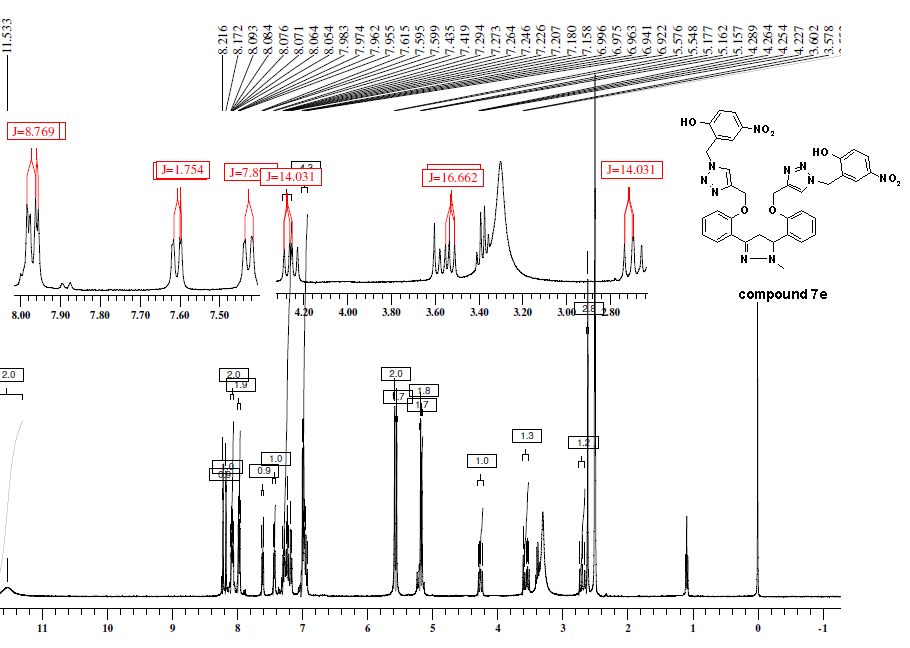
**Figure S48:** 13C NMR (100 MHz, CDCl3) spectra of compound **7d**



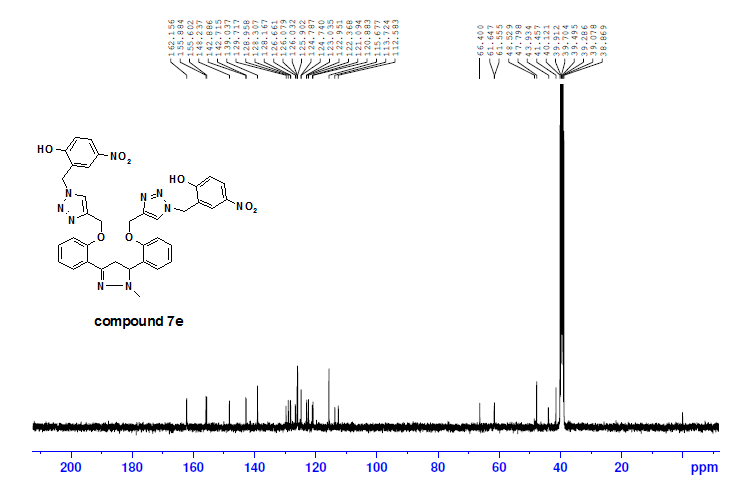
**Figure S49:** Mass spectra of compound **7d**



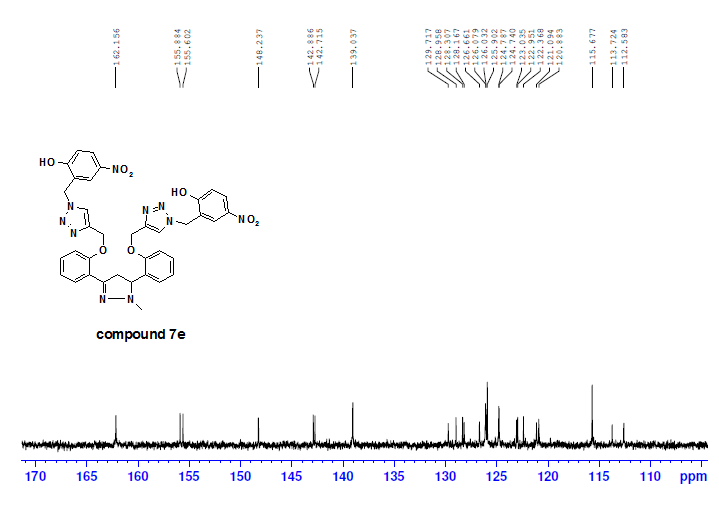
**Figure S50:** IR spectra of compound **7e**



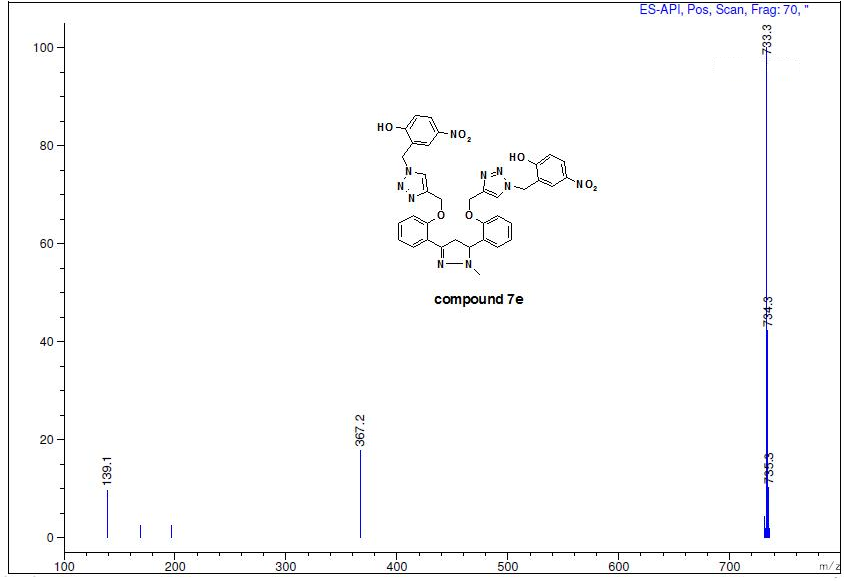
**Figure S51:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7e**



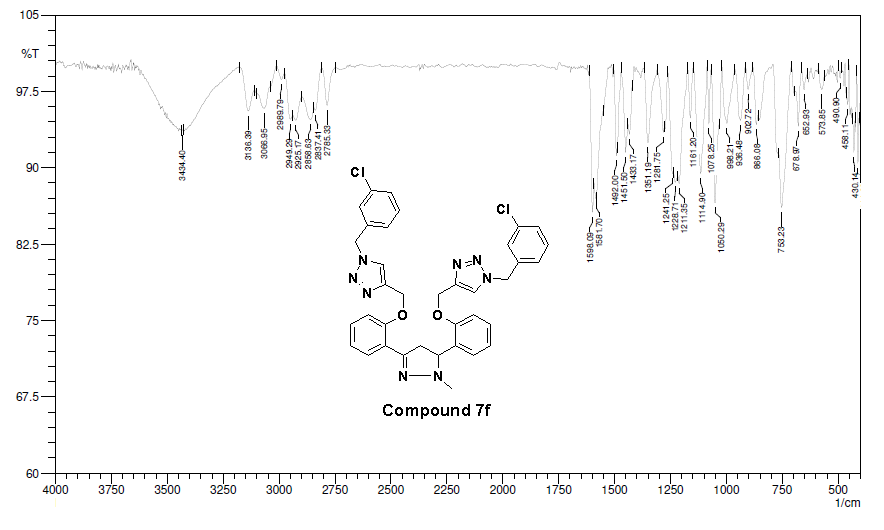
**Figure S52:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7e**



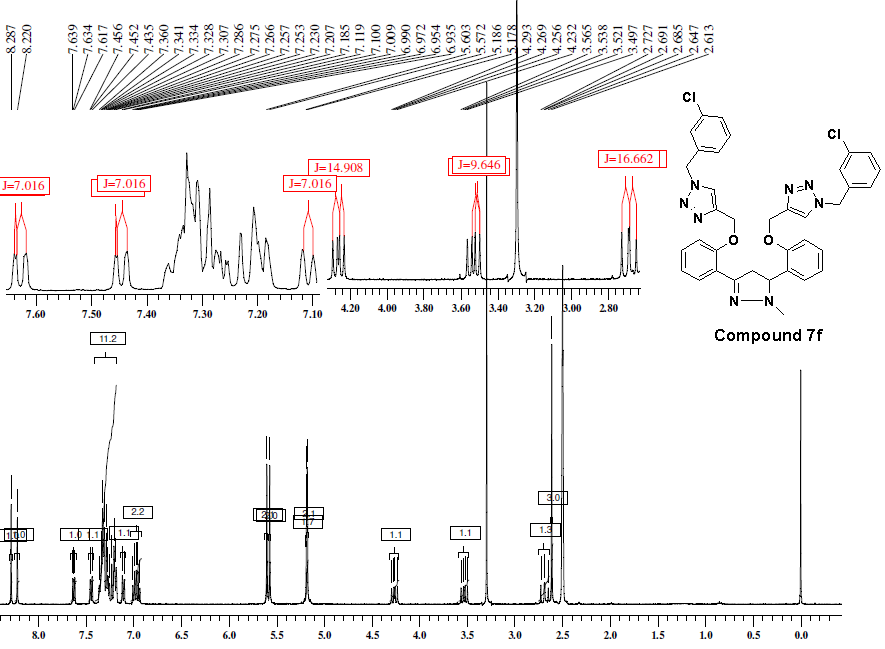
**Figure S53:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7e**



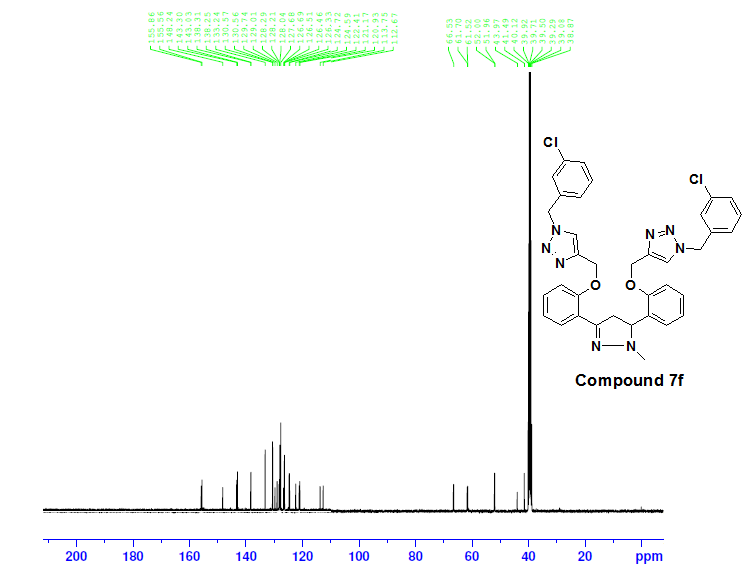
**Figure S54:** Mass spectra of compound **7e**



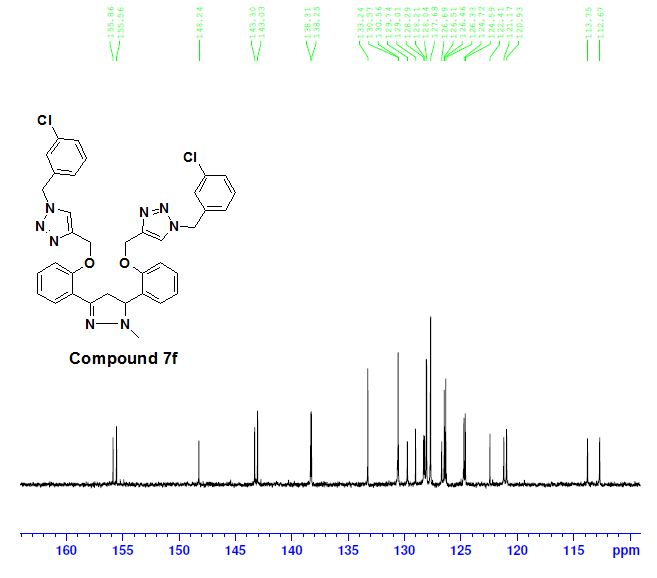
**Figure S55:** IR spectra of compound **7f**



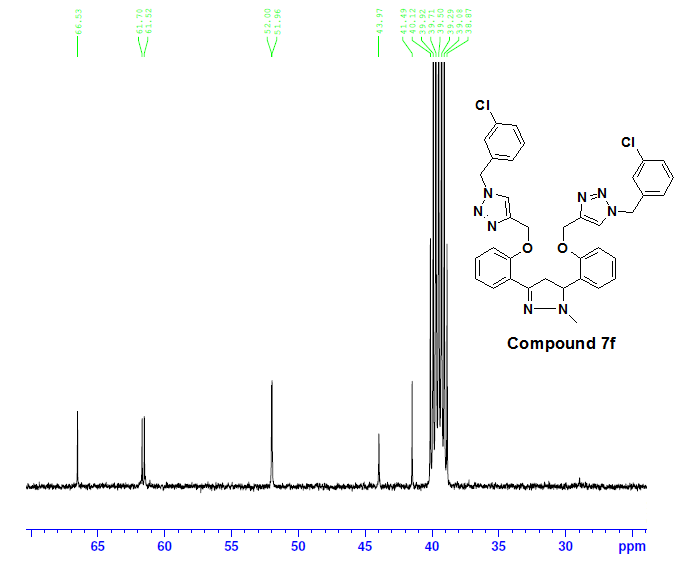
**Figure S56:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7f**



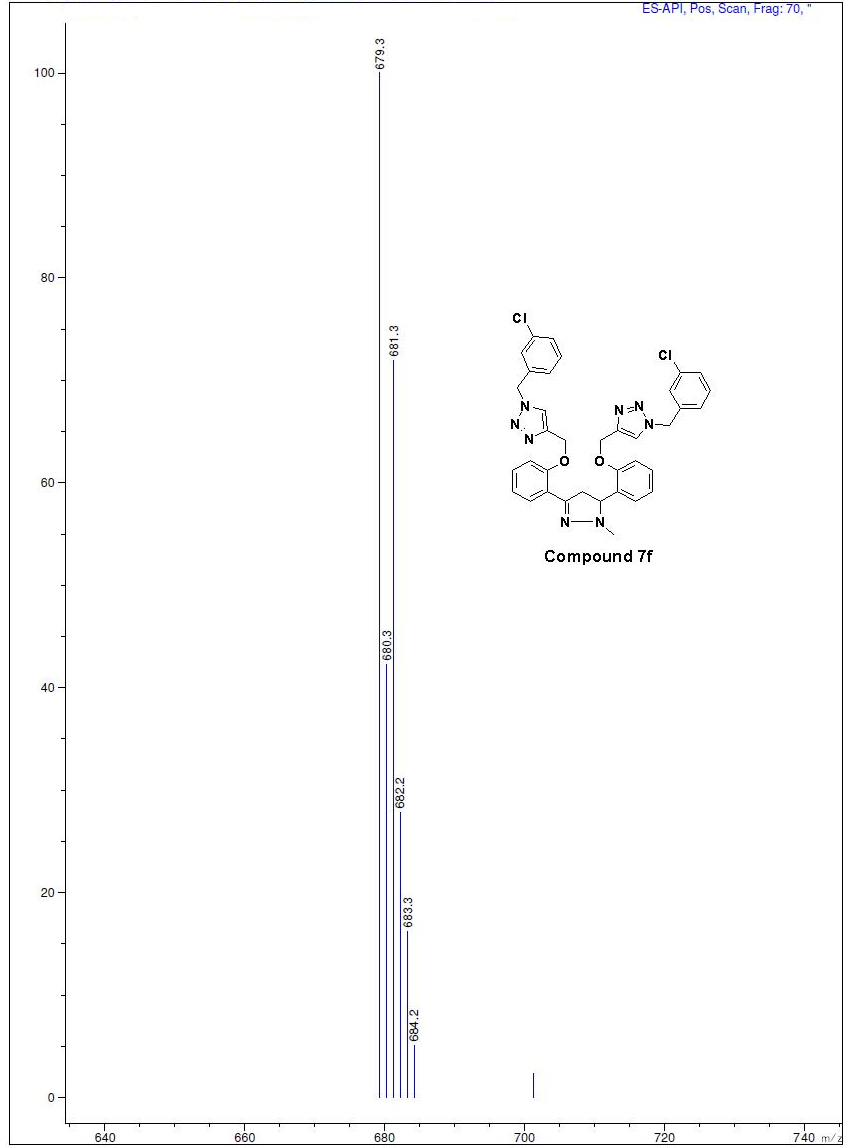
**Figure S57:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7f**



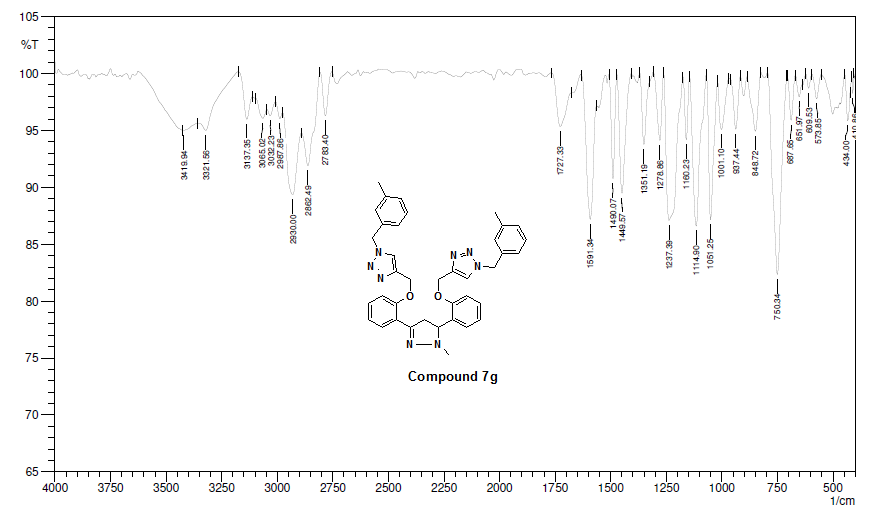
**Figure S58:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7f**



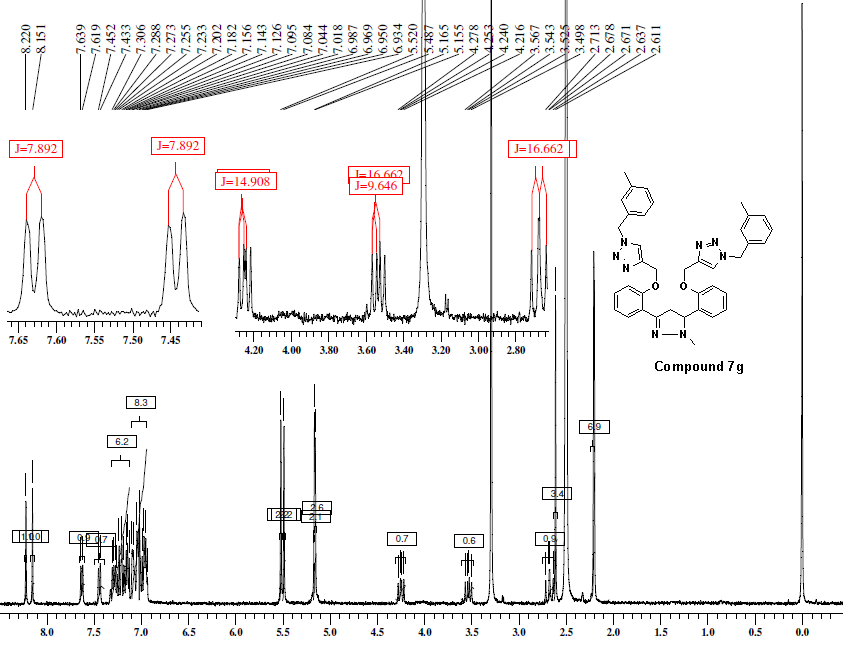
**Figure S59:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7f**



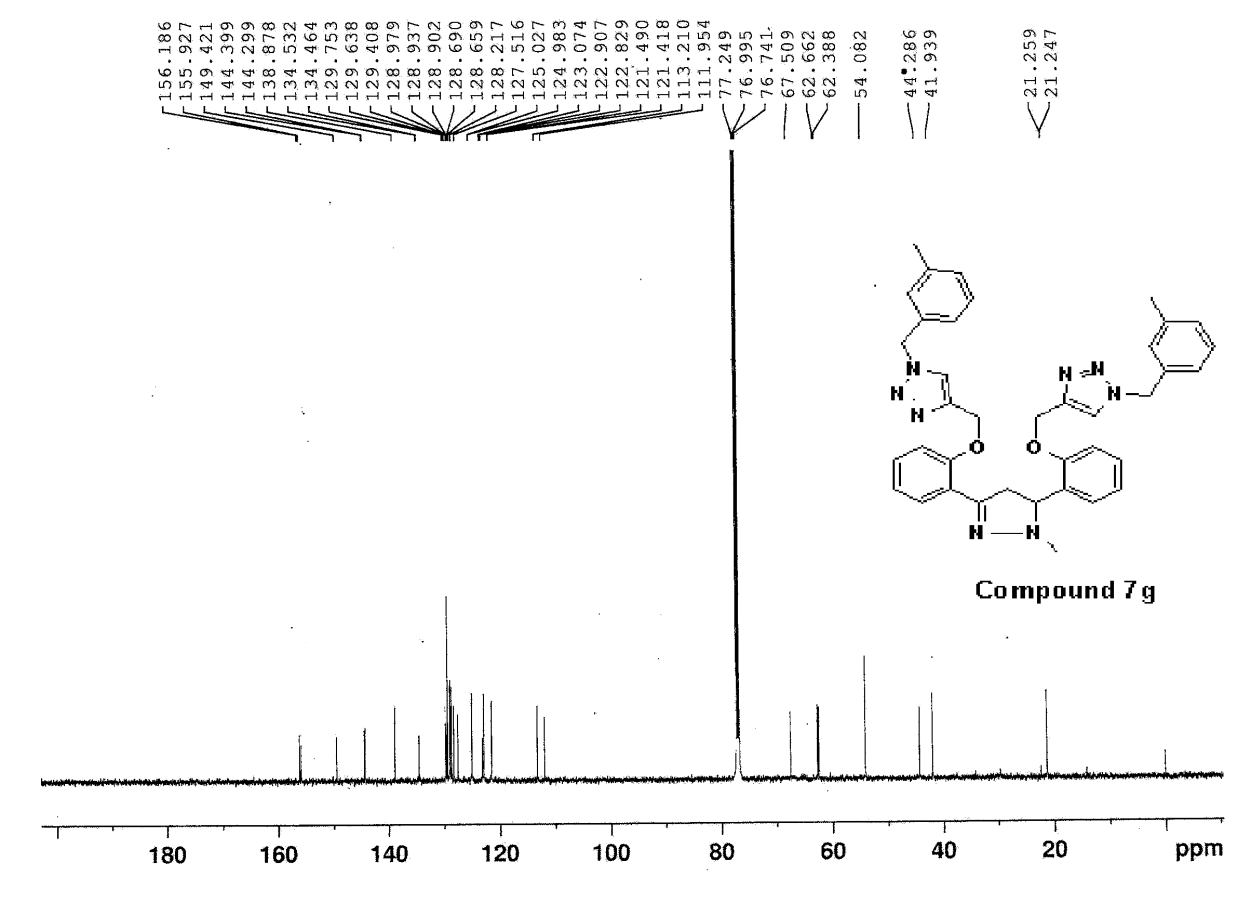
**Figure S60:** Mass spectra of compound **7f**



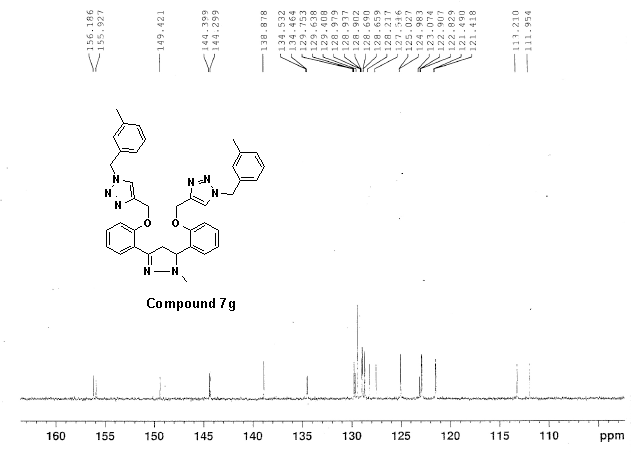
**Figure S61:** IR spectra of compound **7g**



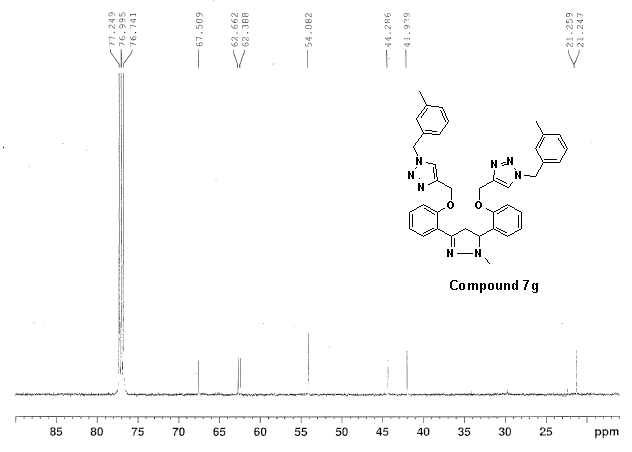
**Figure S62:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7g**

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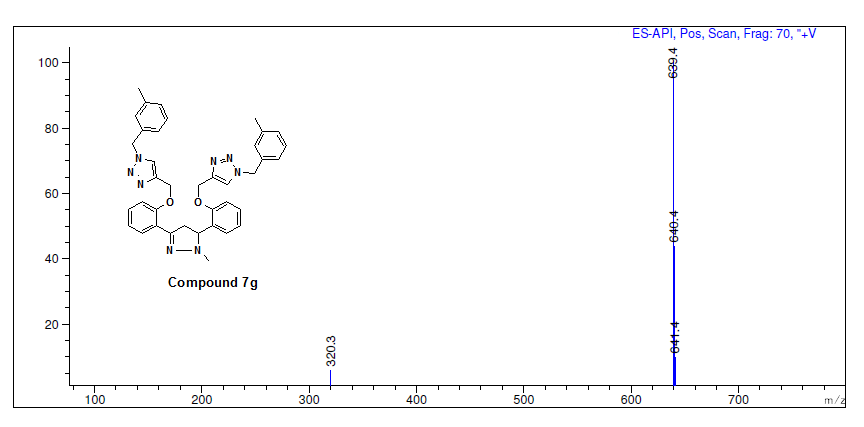
**Figure S63:** 13C NMR (125 MHz, CDCl3) spectra of compound **7g**



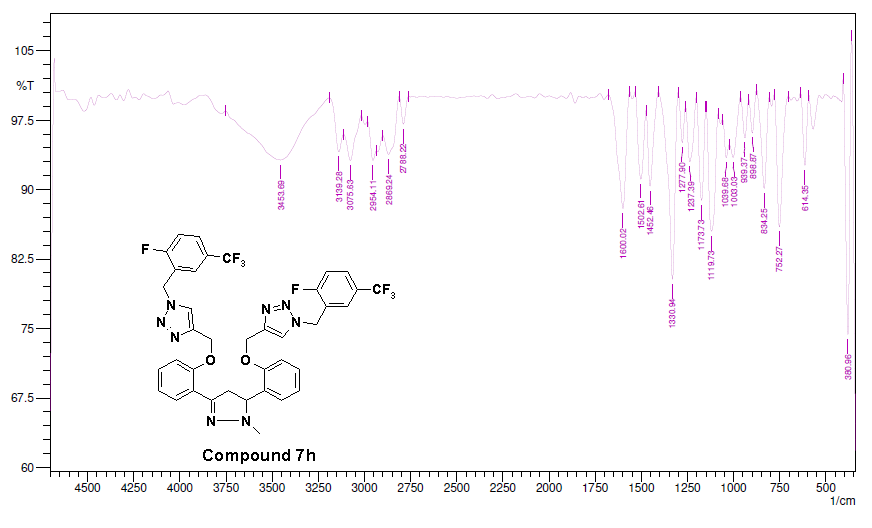
**Figure S64:** 13C NMR (125 MHz, CDCl3) spectra of compound **7g**



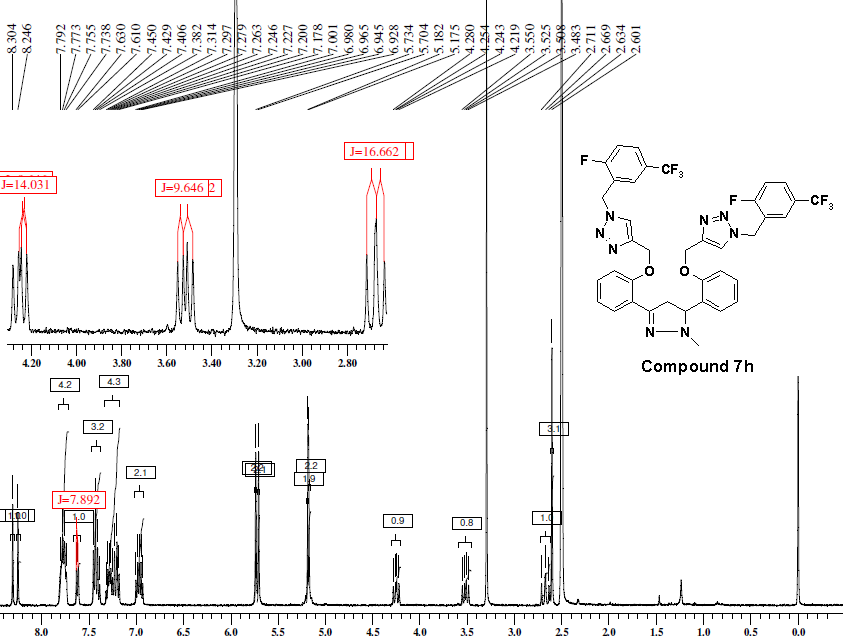
**Figure S65:** 13C NMR (125 MHz, CDCl3) spectra of compound **7g**



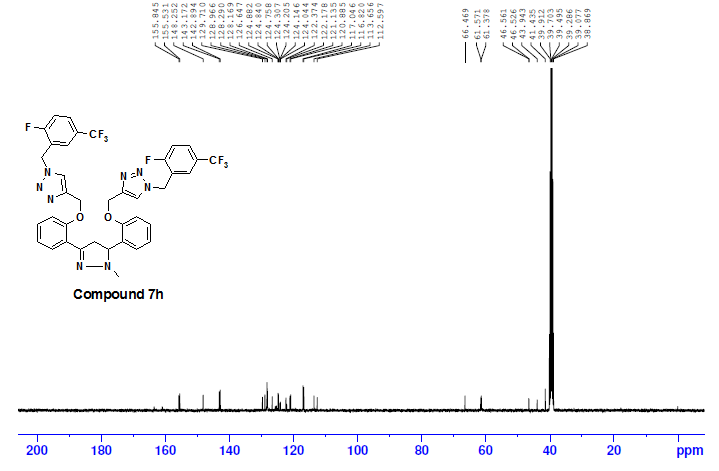
**Figure S66:** Mass spectra of compound **7g**



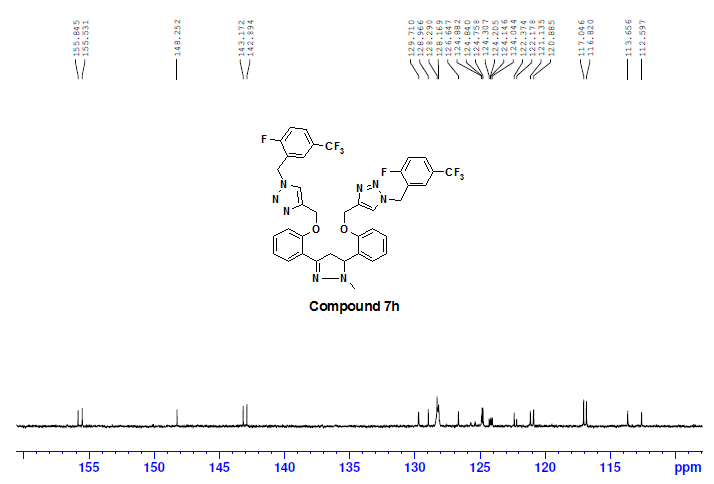
**Figure S67:** IR spectra of compound **7h**



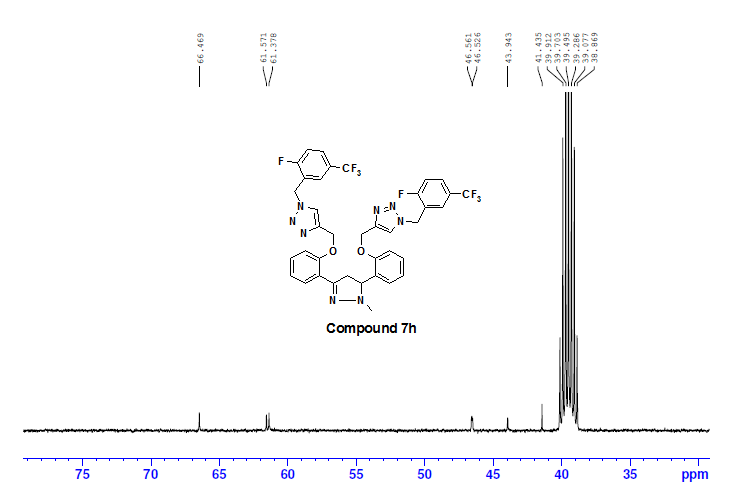
**Figure S68:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7h**



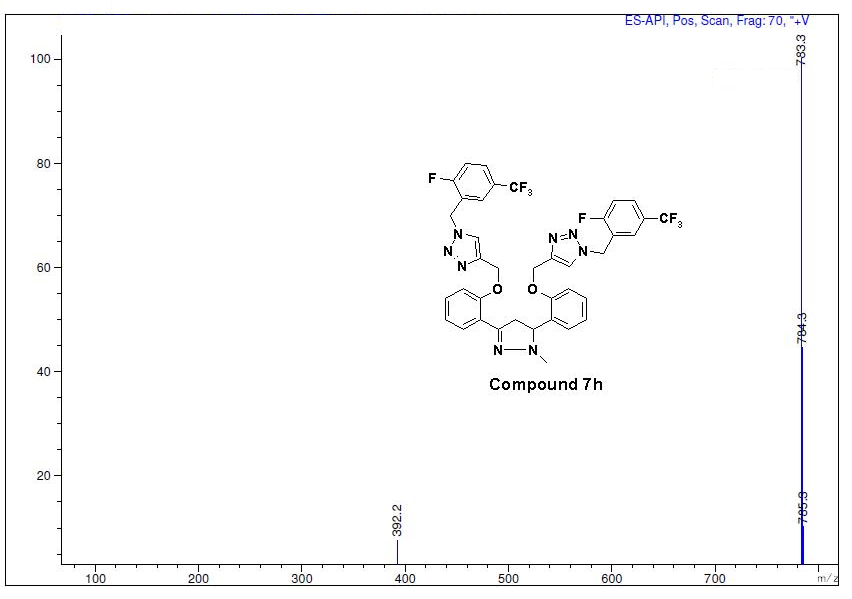
**Figure S69:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7h**



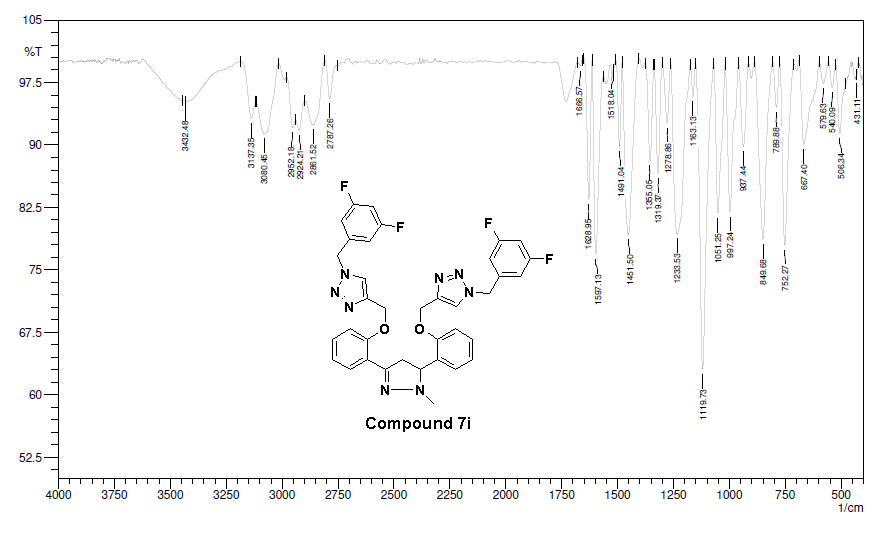
**Figure S70:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7h**



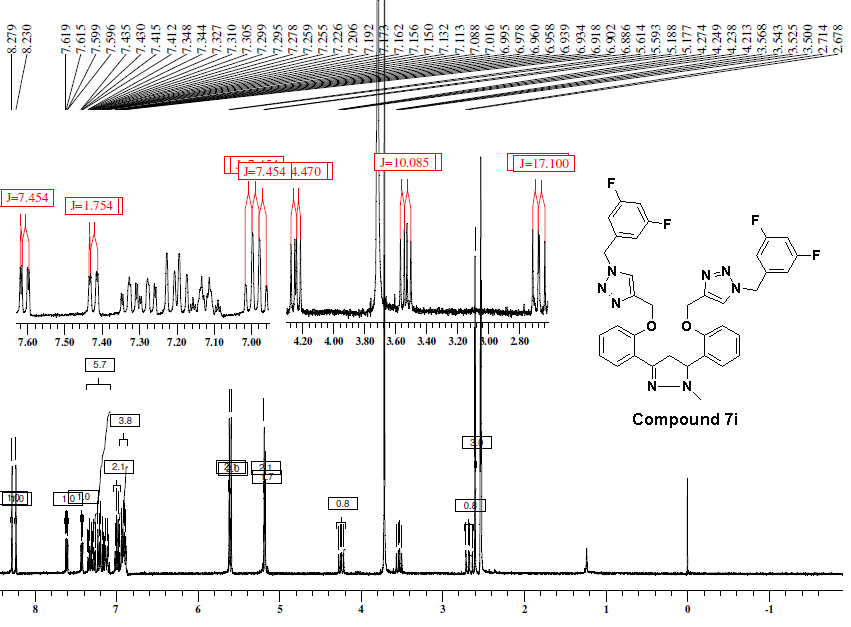
**Figure S71:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7h**



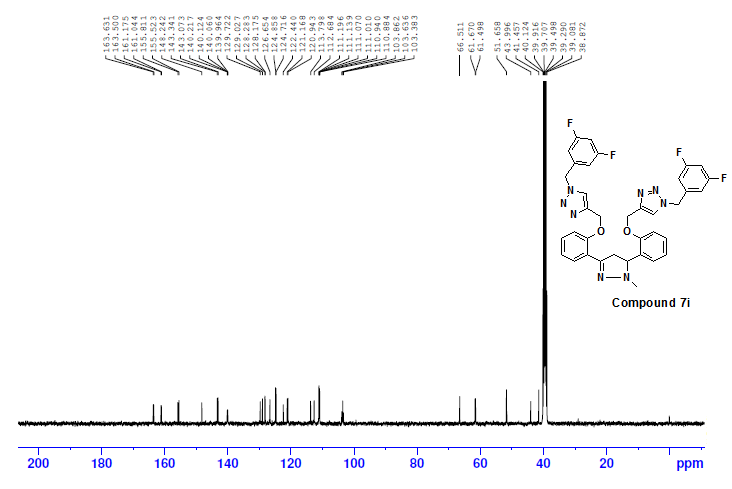
**Figure S72:** Mass spectra of compound **7h**



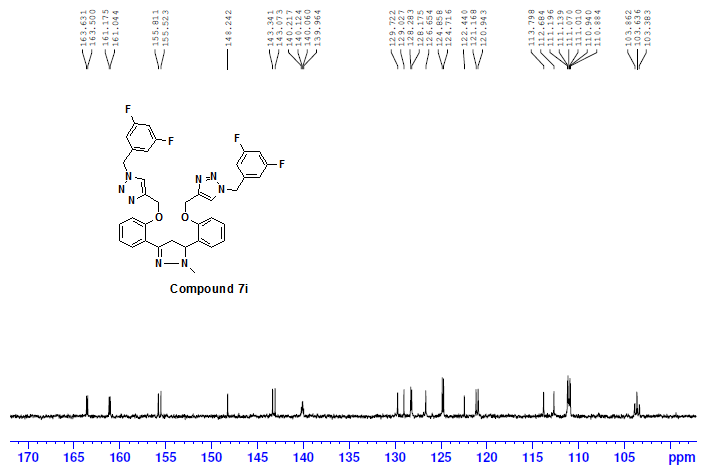
**Figure S73:** IR spectra of compound **7i**



**Figure S74:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7i**



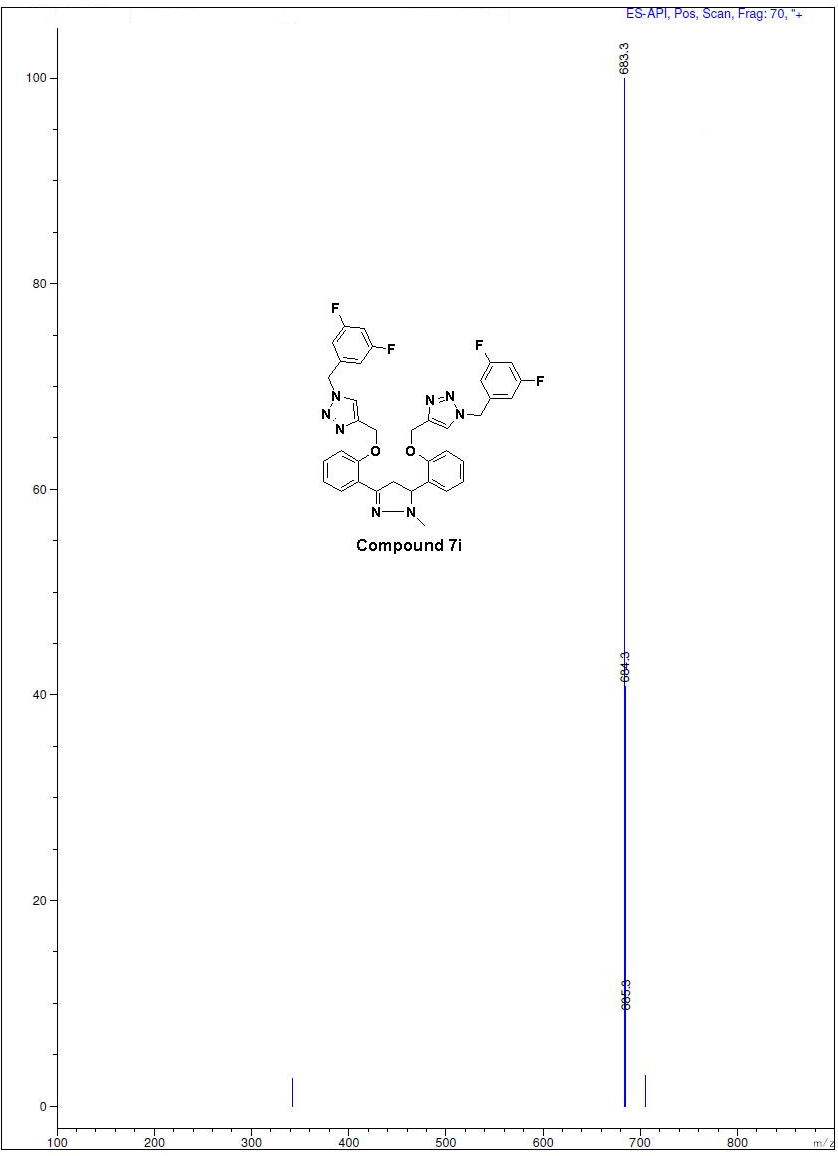
**Figure S75:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7i**



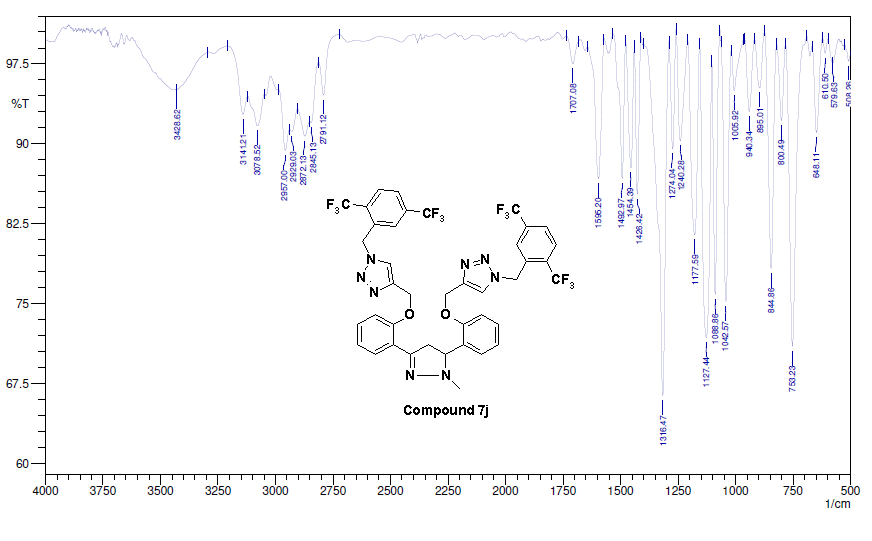
**Figure S76:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7i**



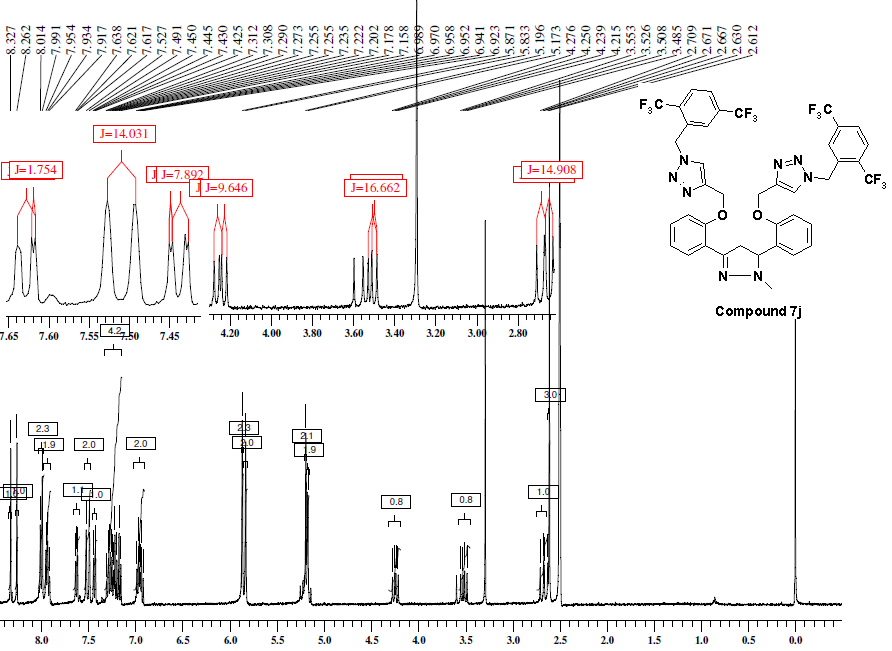
**Figure S77:** 13C NMR (100 MHz, DMSO-d6) spectra of compound **7i**



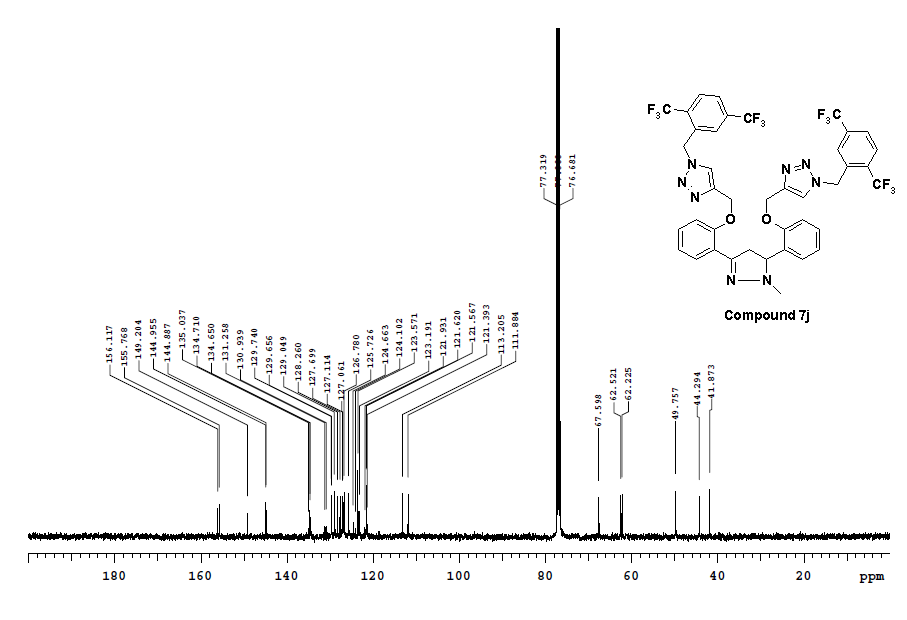
**Figure S78:** Mass spectra of compound **7i**



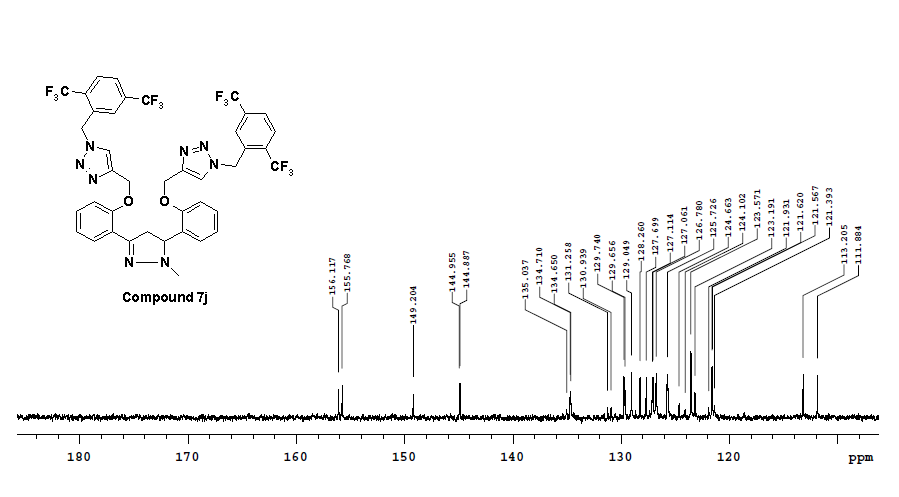
**Figure S79:** IR spectra of compound **7j**



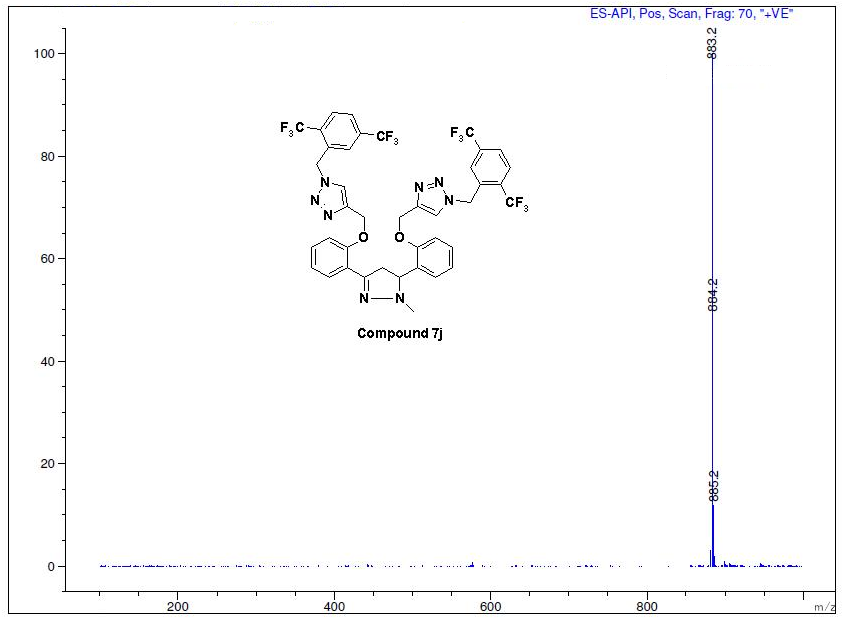
**Figure S80:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7j**



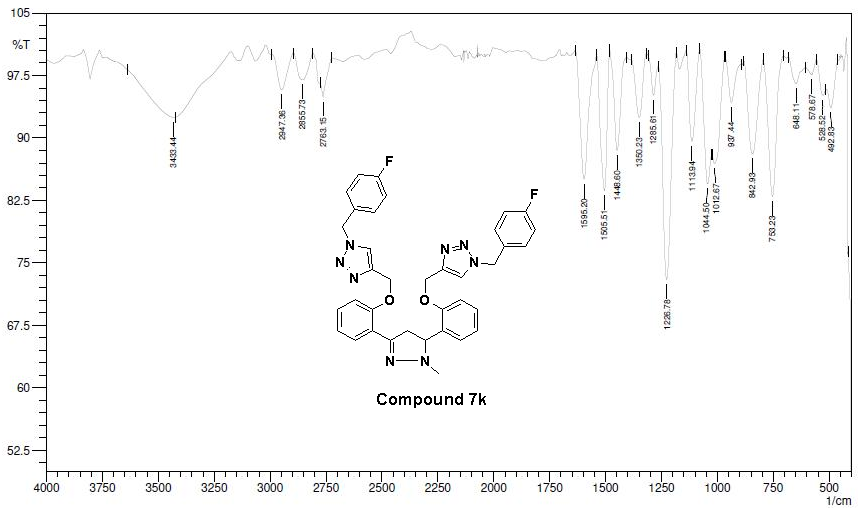
**Figure S81:** 13C NMR (100 MHz, CDCl3) spectra of compound **7j**



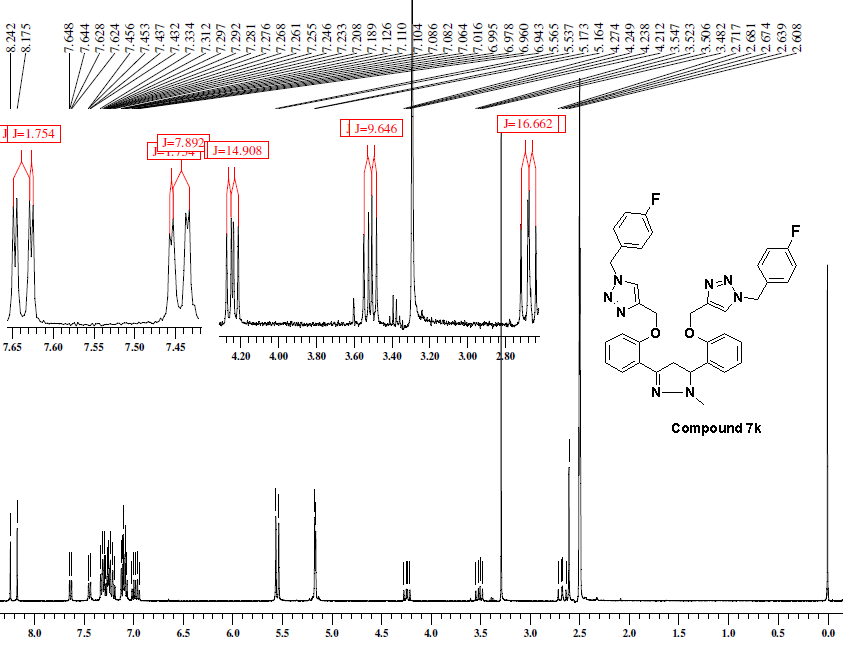
**Figure S82:** 13C NMR (100 MHz, CDCl3) spectra of compound **7j**



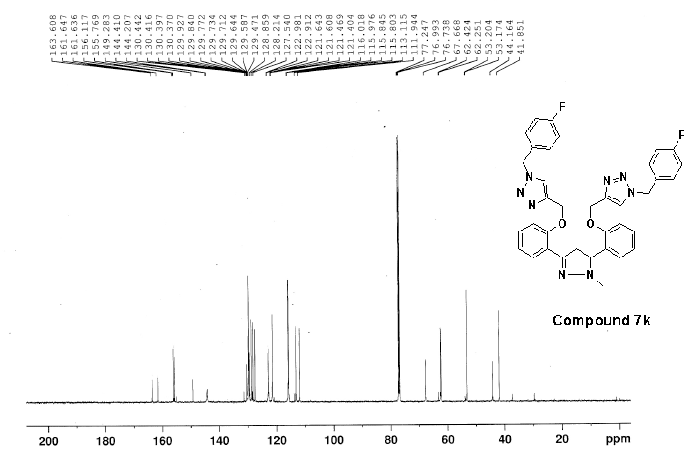
**Figure S83:** Mass spectra of compound **7j**



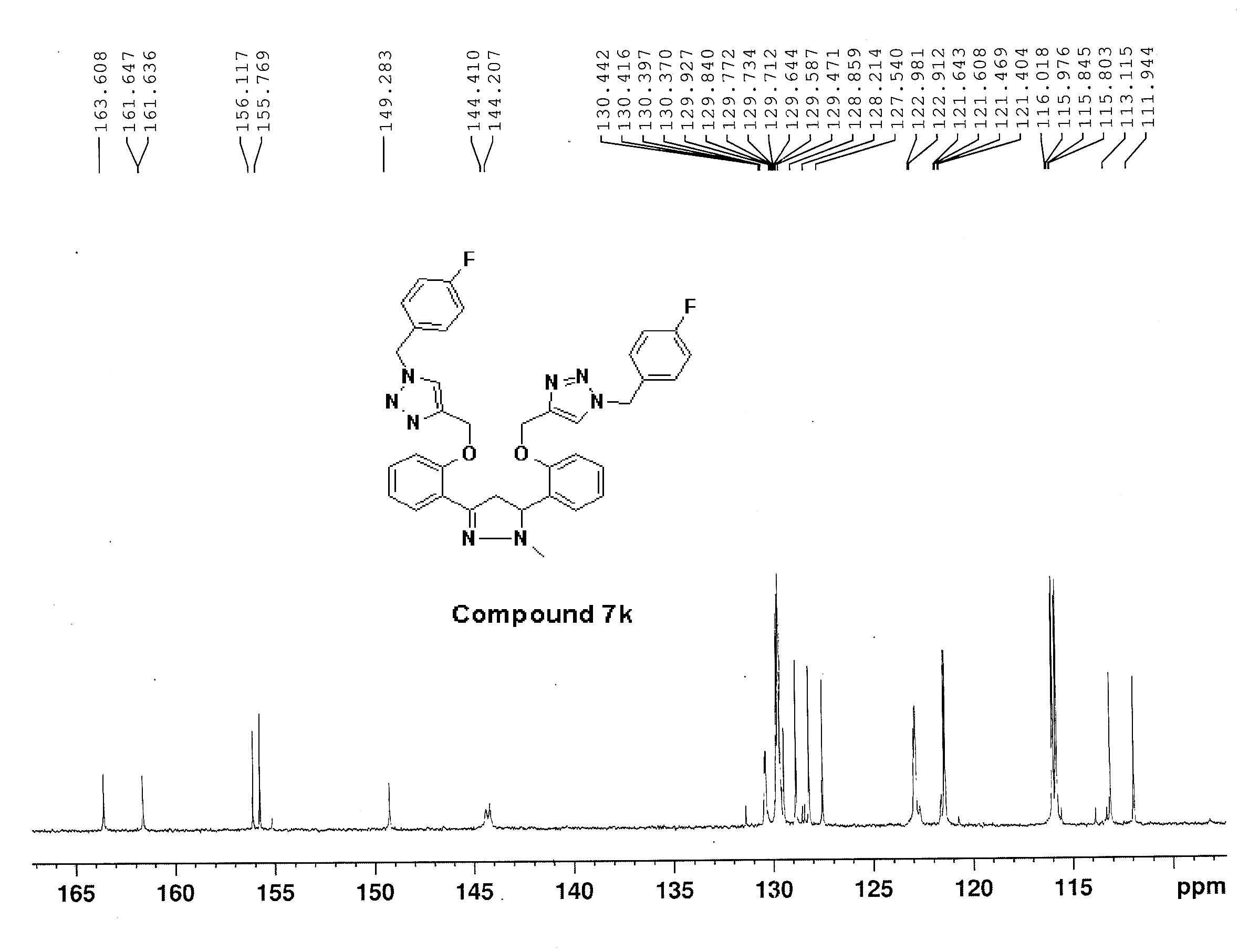
**Figure S84:** IR spectra of compound **7k**



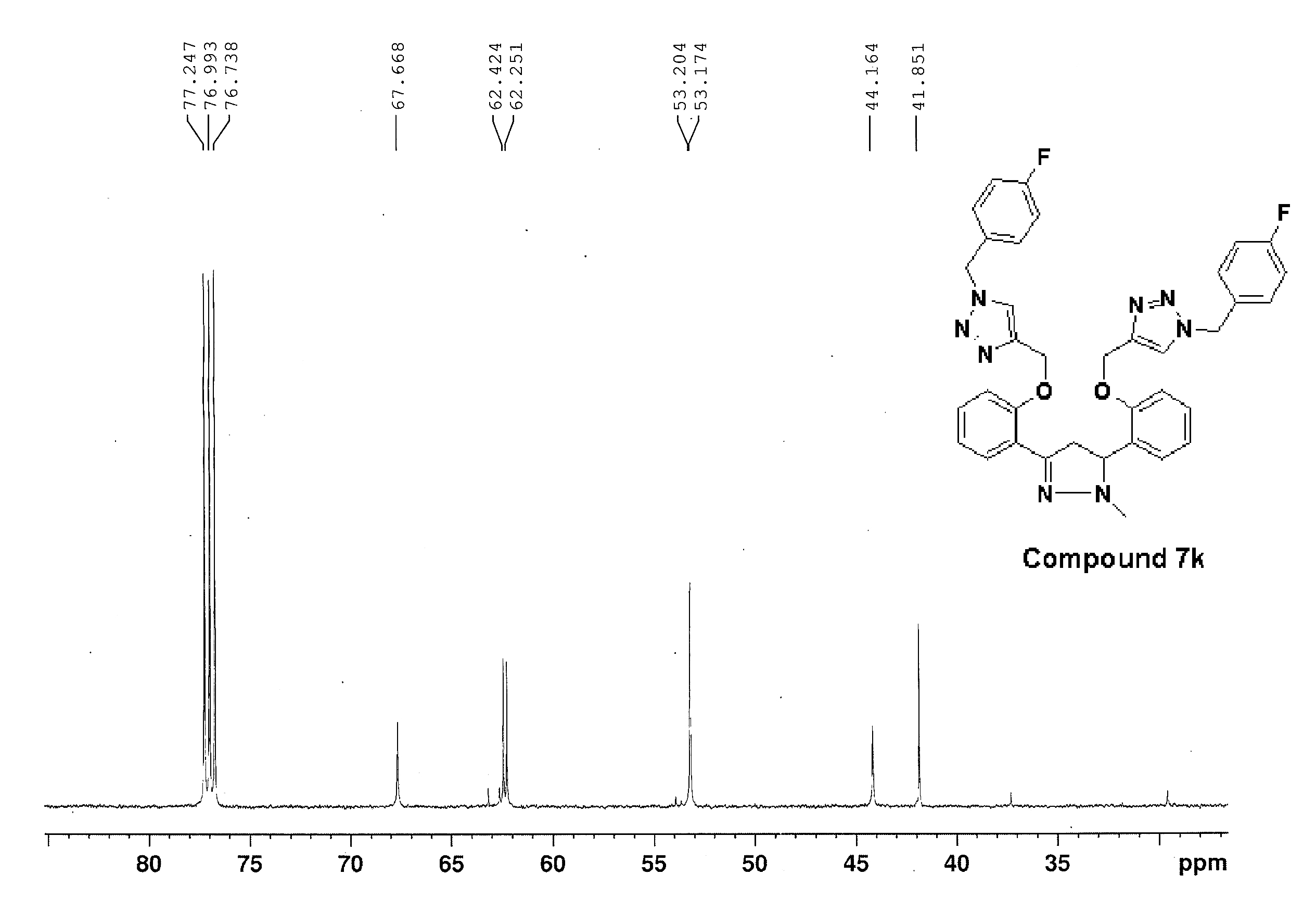
**Figure S85:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7k**

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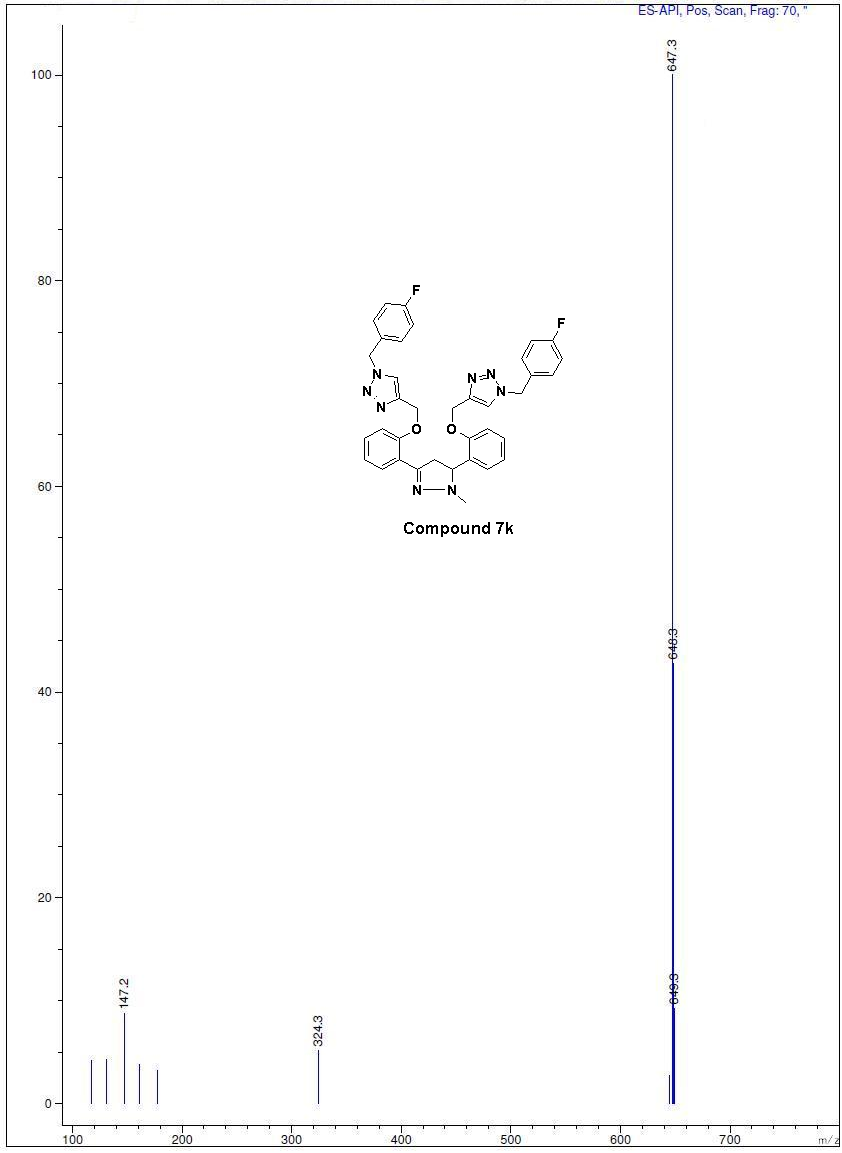
**Figure S86:** 13C NMR (125 MHz, CDCl3) spectra of compound **7k**

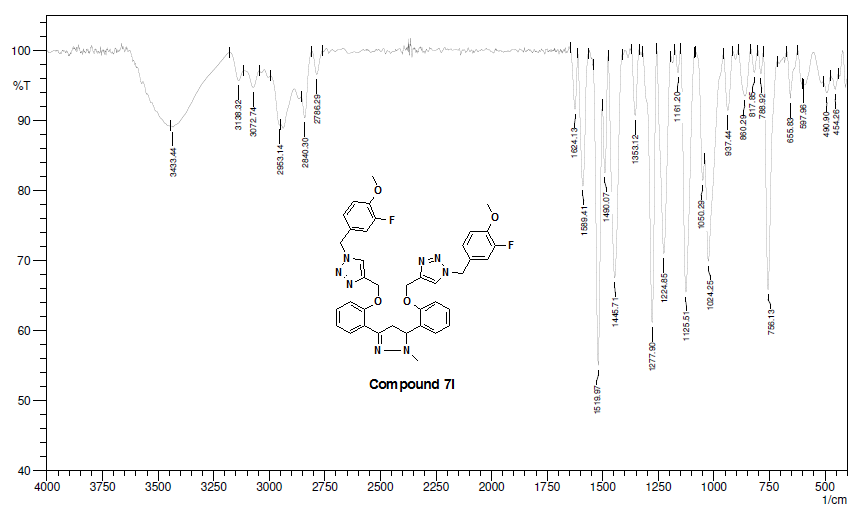


**Figure S87:** 13C NMR (125 MHz, CDCl3) spectra of compound **7k**

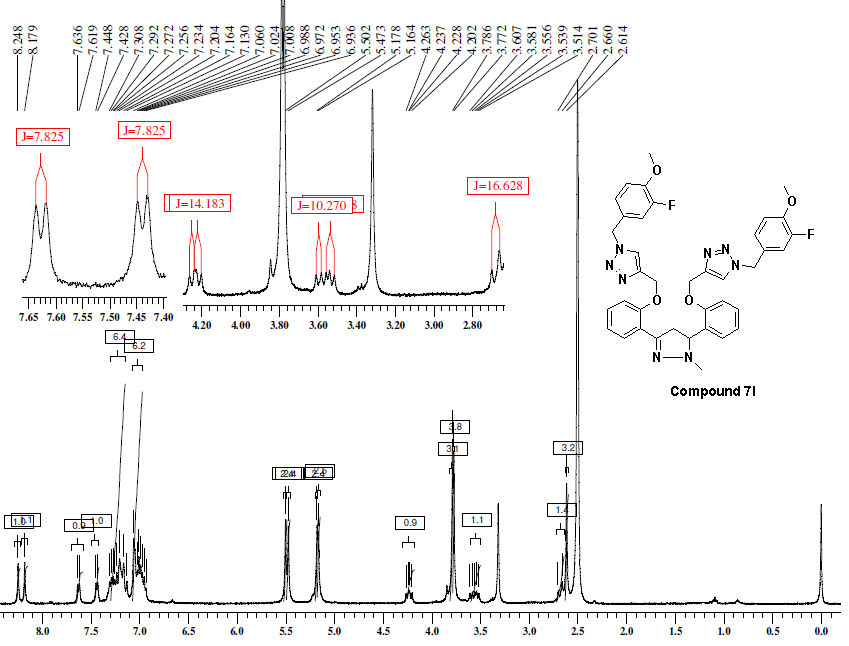


**Figure S88:** 13C NMR (125 MHz, CDCl3) spectra of compound **7k**

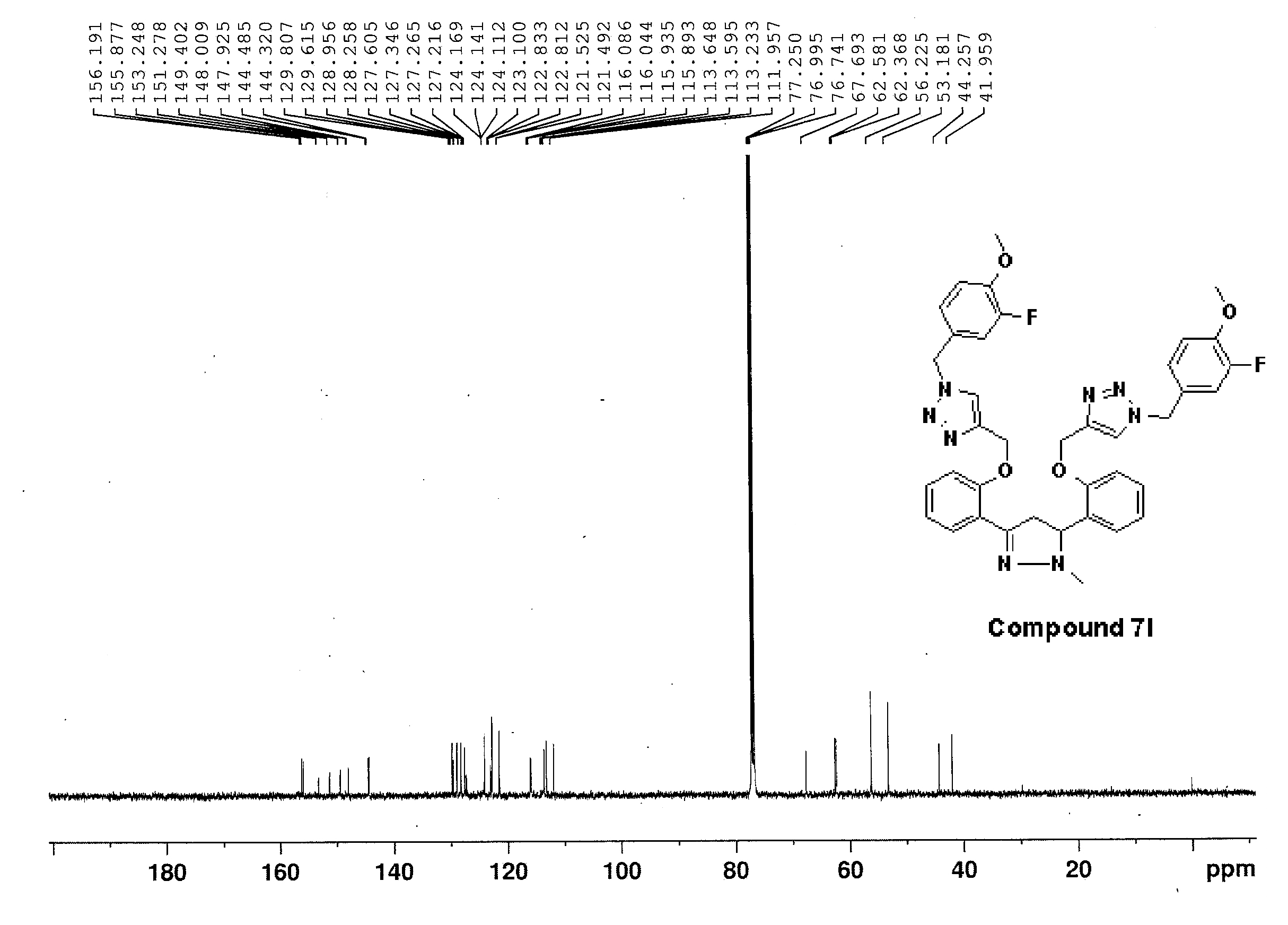
 **Figure S89:** Mass spectra of compound **7k**



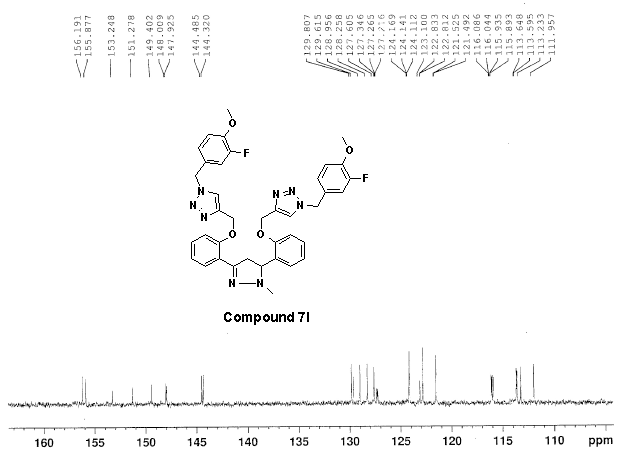
**Figure S90:** IR spectra of compound **7l**



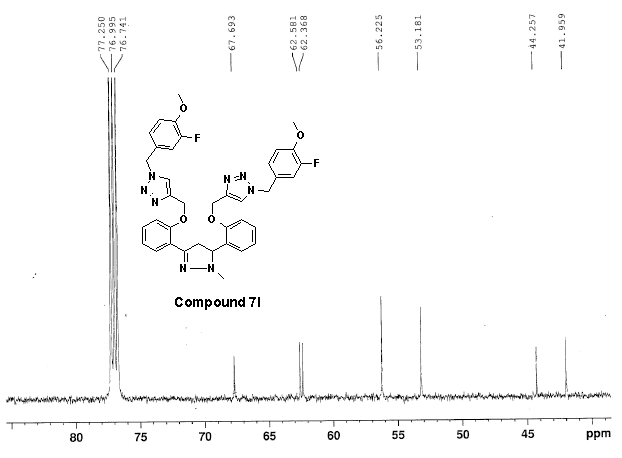
**Figure S91:** 1H-NMR (500 MHz, DMSO-d6) spectra of compound **7l**



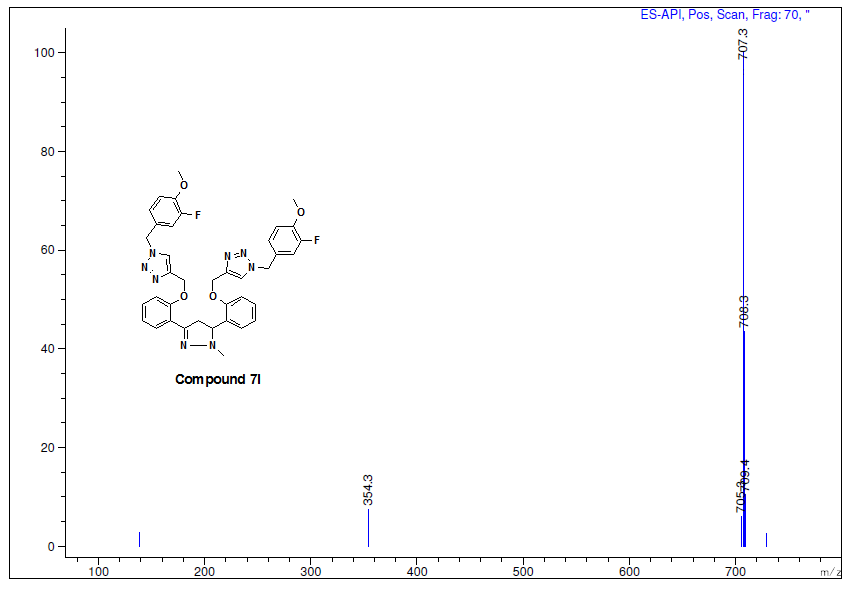
**Figure S92:** 13C NMR (125 MHz, CDCl3) spectra of compound **7l**



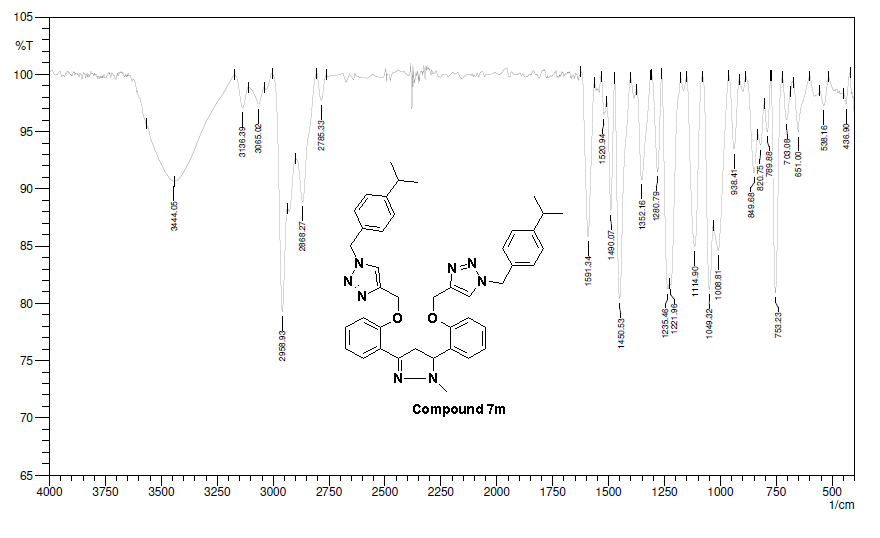
**Figure S93:** 13C NMR (125 MHz, CDCl3) spectra of compound **7l**



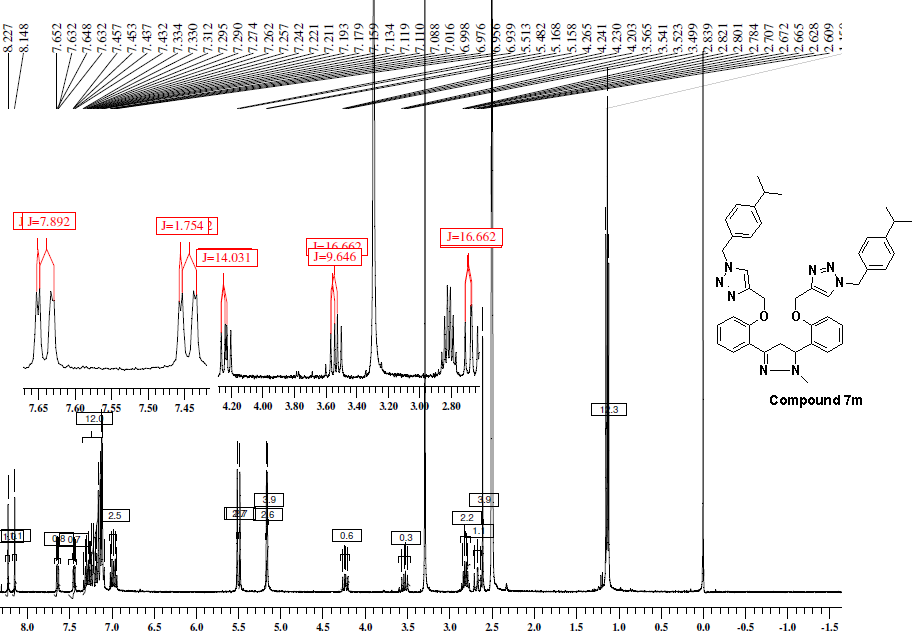
**Figure S94:** 13C NMR (125 MHz, CDCl3) spectra of compound **7l**



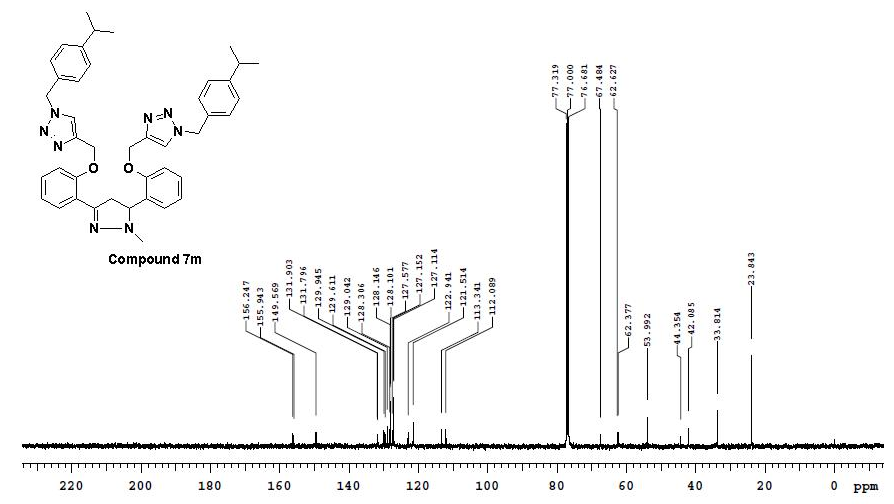
**Figure S95:** Mass spectra of compound **7l**



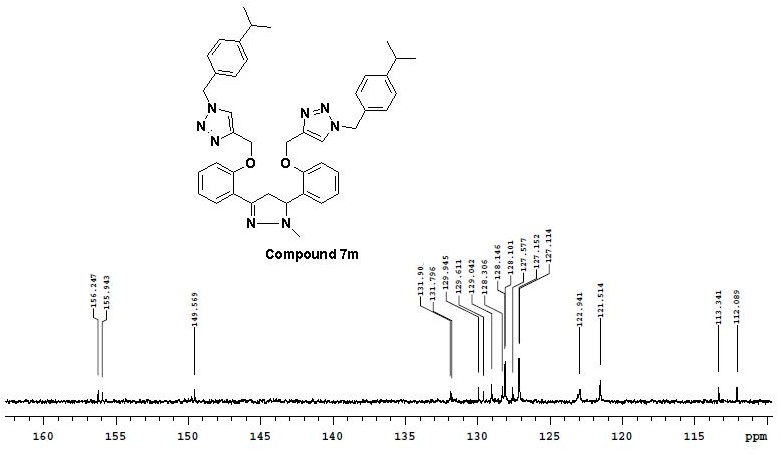
**Figure S96:** IR spectra of compound **7m**



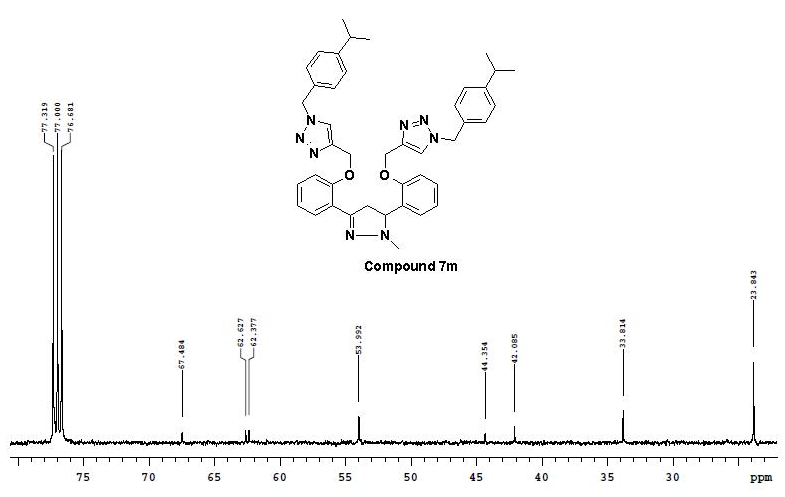
**Figure S97:** 1H-NMR (400 MHz, DMSO-d6) spectra of compound **7m**

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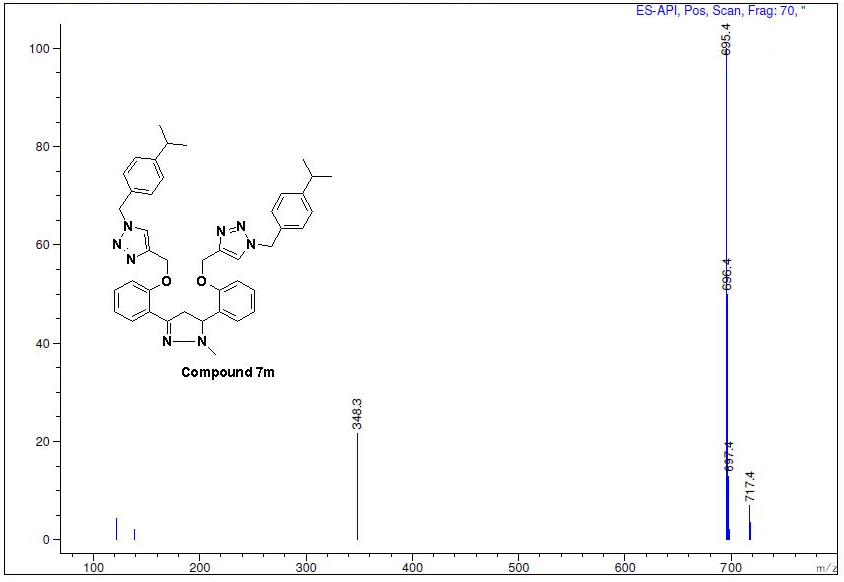
**Figure S98:** 13C NMR (100 MHz, CDCl3) spectra of compound **7m**



**Figure S99:** 13C NMR (100 MHz, CDCl3) spectra of compound **7m**



**Figure S100:** 13C NMR (100 MHz, CDCl3) spectra of compound **7l**



**Figure S101:** Mass spectra of compound **7m**

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