

Supporting Information

Org. Commun. 16:2 (2023) 75-86

Synthesis and biological studies of novel hydroxyacetophenone-tetrazole hybrids

Ali Disli¹, Esin Eylem Yucesoy¹, Ali Ozturk² and Gulay Dilek^{3,*}

⁴*Department of Chemistry, Faculty of Science, Gazi University, 06500 Teknikokullar, Ankara, Türkiye*

⁵*Department of Medical Microbiology, Faculty of Medicine, Nigde Ömer Halisdemir University, Nigde, Türkiye*

³*Department of Basic Pharmaceutical Sciences, Faculty of Pharmacy, Zonguldak Bulent Ecevit University, 67600 Esenkoy, Zonguldak, Türkiye*

Table of Contents	Page
Figure S1: FTIR Spectrum of Compound 4a	3
Figure S2: ¹ H-NMR Spectrum of Compound 4a	3
Figure S3: ¹³ C-APT NMR Spectrum of Compound 4a	4
Figure S4: HRMS Spectrum of compound 4a	4
Figure S5: FTIR Spectrum of Compound 4b	5
Figure S6: ¹ H-NMR Spectrum of Compound 4b	5
Figure S7: ¹³ C-APT NMR Spectrum of Compound 4b	6
Figure S8: HRMS Spectrum of compound 4b	6
Figure S9: FTIR Spectrum of Compound 4c	7
Figure S10: ¹ H-NMR Spectrum of Compound 4c	7
Figure S11: ¹³ C-APT NMR Spectrum of Compound 4c	8
Figure S12: HRMS Spectrum of compound 4c	8
Figure S13: FTIR Spectrum of Compound 4d	9
Figure S14: ¹ H-NMR Spectrum of Compound 4d	9
Figure S15: ¹³ C-APT NMR Spectrum of Compound 4d	10
Figure S16: HRMS Spectrum of compound 4d	10
Figure S17: FTIR Spectrum of Compound 4e	11
Figure S18: ¹ H-NMR Spectrum of Compound 4e	11
Figure S19: ¹³ C-APT NMR Spectrum of Compound 4e	12
Figure S20: HRMS Spectrum of compound 4e	12
Figure S21: FTIR Spectrum of Compound 4f	13
Figure S22: ¹ H-NMR Spectrum of Compound 4f	13
Figure S23: ¹³ C-APT NMR Spectrum of Compound 4f	14
Figure S24: HRMS Spectrum of compound 4f	14
Figure S25: FTIR Spectrum of Compound 5d	15
Figure S26: ¹ H-NMR Spectrum of Compound 5d	15
Figure S27: ¹³ C-APT NMR Spectrum of Compound 5d	16
Figure S28: HRMS Spectrum of compound 5d	16
Figure S29: FTIR Spectrum of Compound 5e	17

Figure S30: ^1H -NMR Spectrum of Compound 5e	17
Figure S31: ^{13}C -APT NMR Spectrum of Compound 5e	18
Figure S32: HRMS Spectrum of compound 5e	18
Figure S33: FTIR Spectrum of Compound 5f	19
Figure S34: ^1H -NMR Spectrum of Compound 5f	19
Figure S35: ^{13}C -APT NMR Spectrum of Compound 5f	20
Figure S36: HRMS Spectrum of compound 5f	20

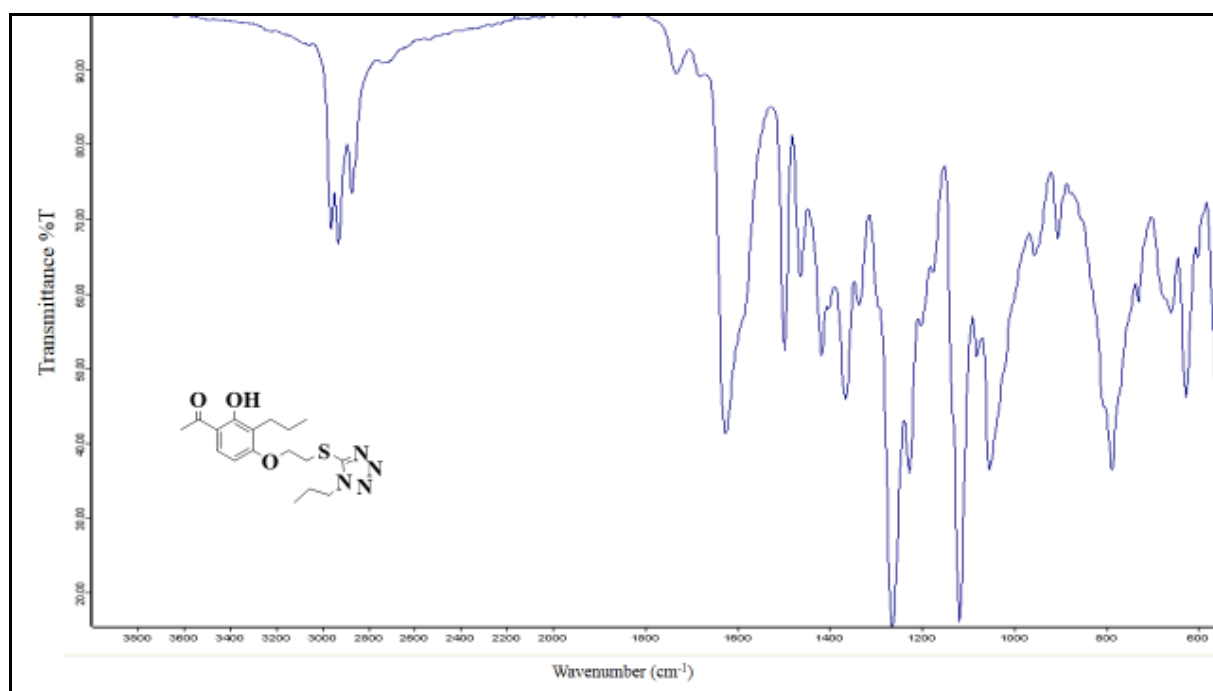


Figure S1: FTIR Spectrum of Compound 4a

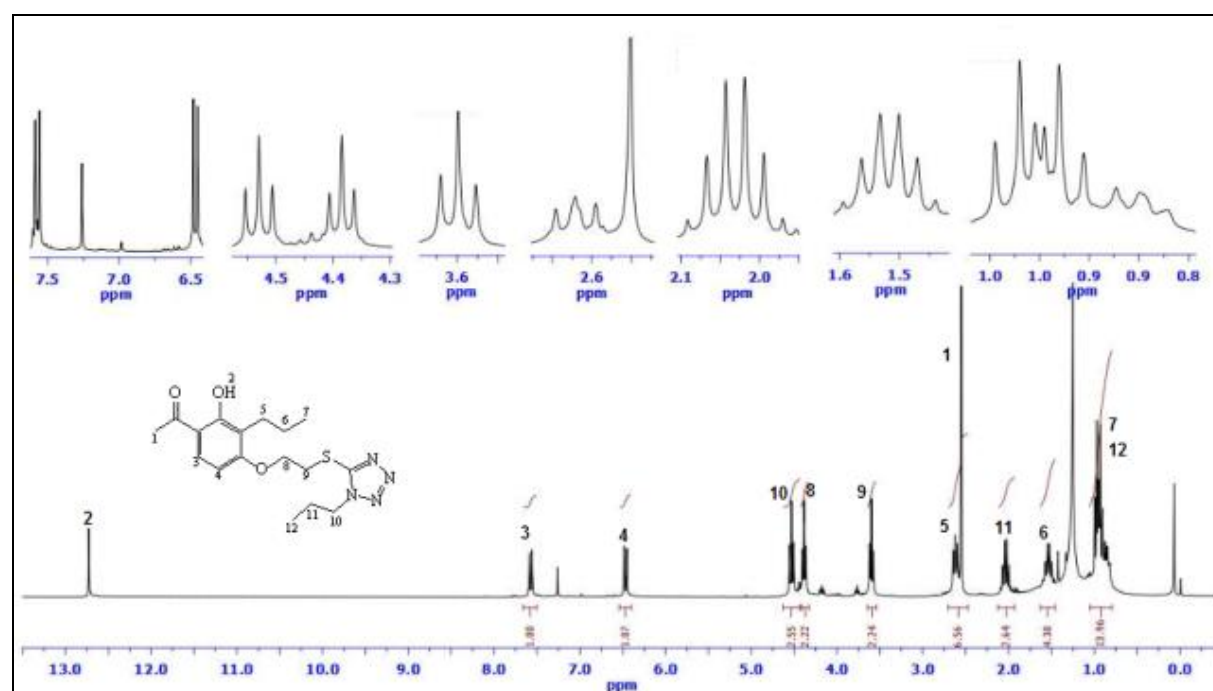


Figure S2: ¹H NMR Spectrum of Compound 4a

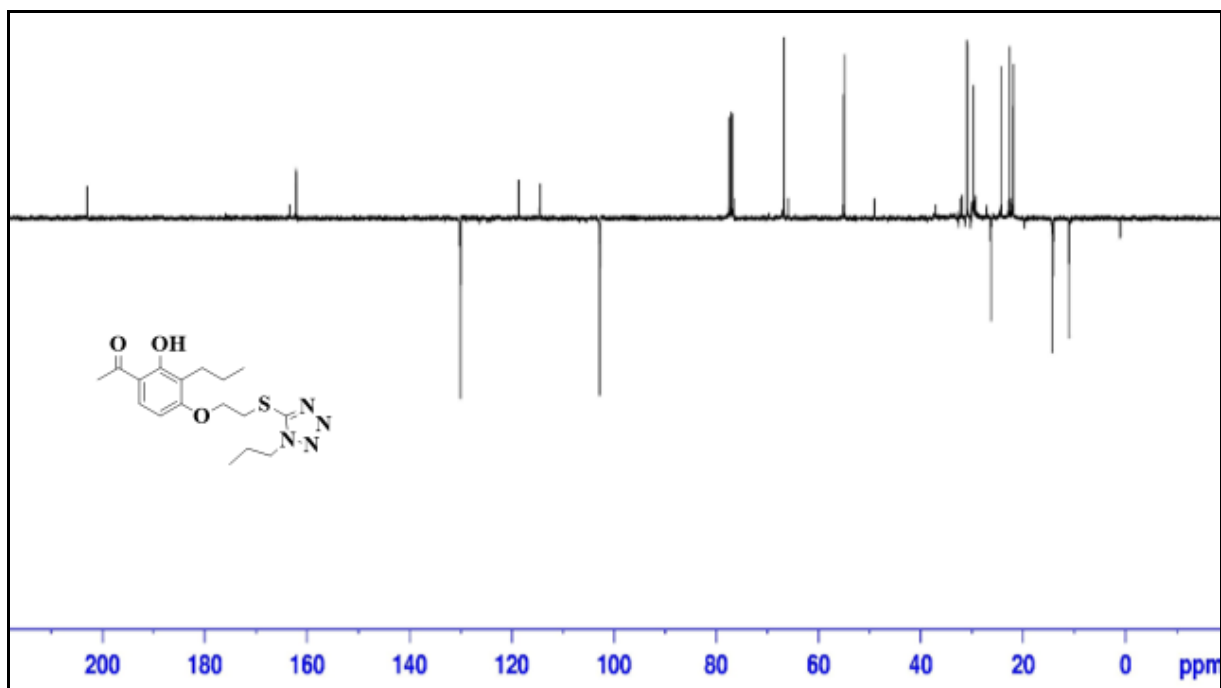


Figure S3: ¹³C-APT Spectrum of Compound **4a**

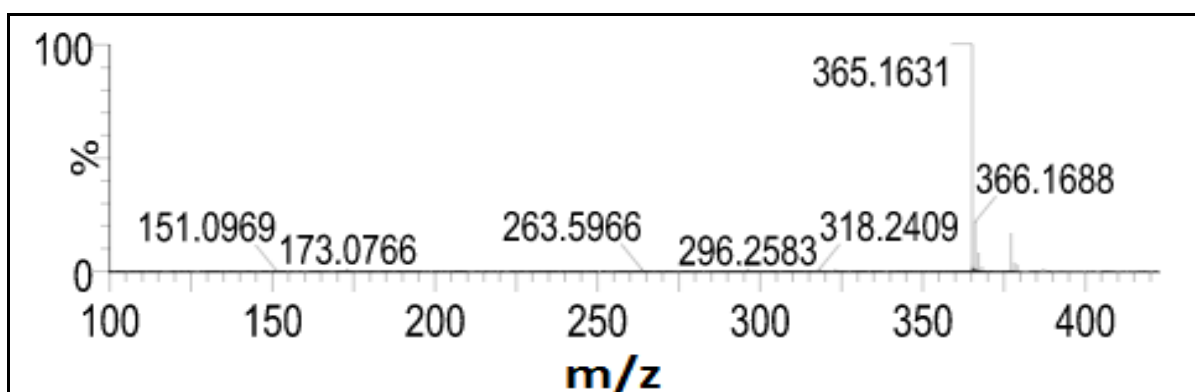


Figure S4: HRMS Spectrum of Compound **4a**

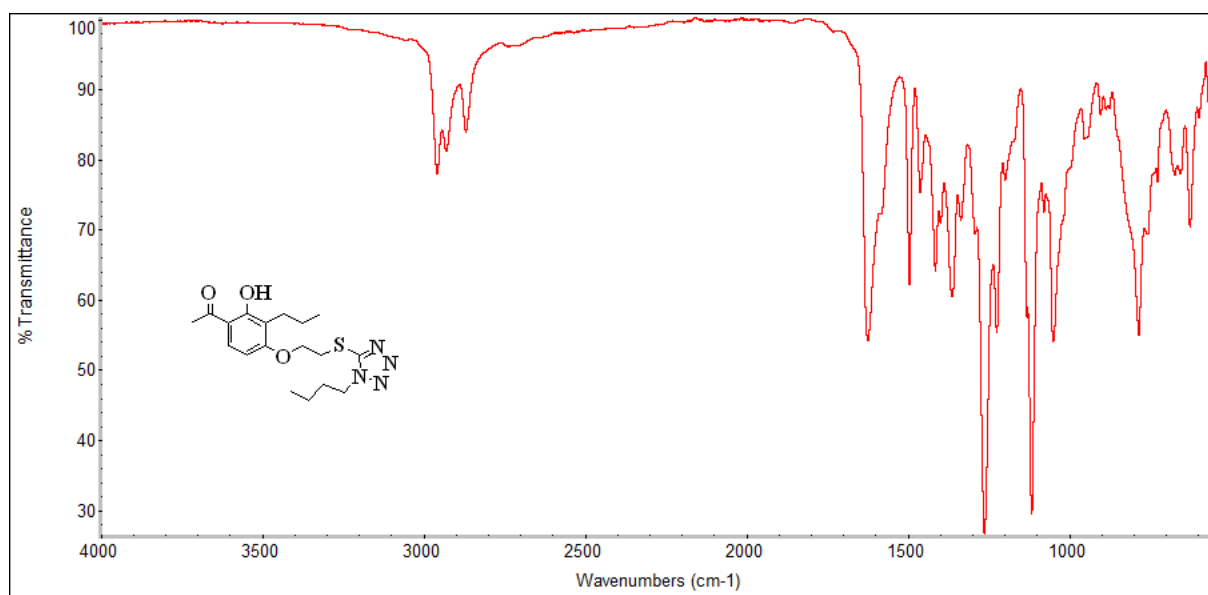


Figure S5: FTIR Spectrum of Compound **4b**

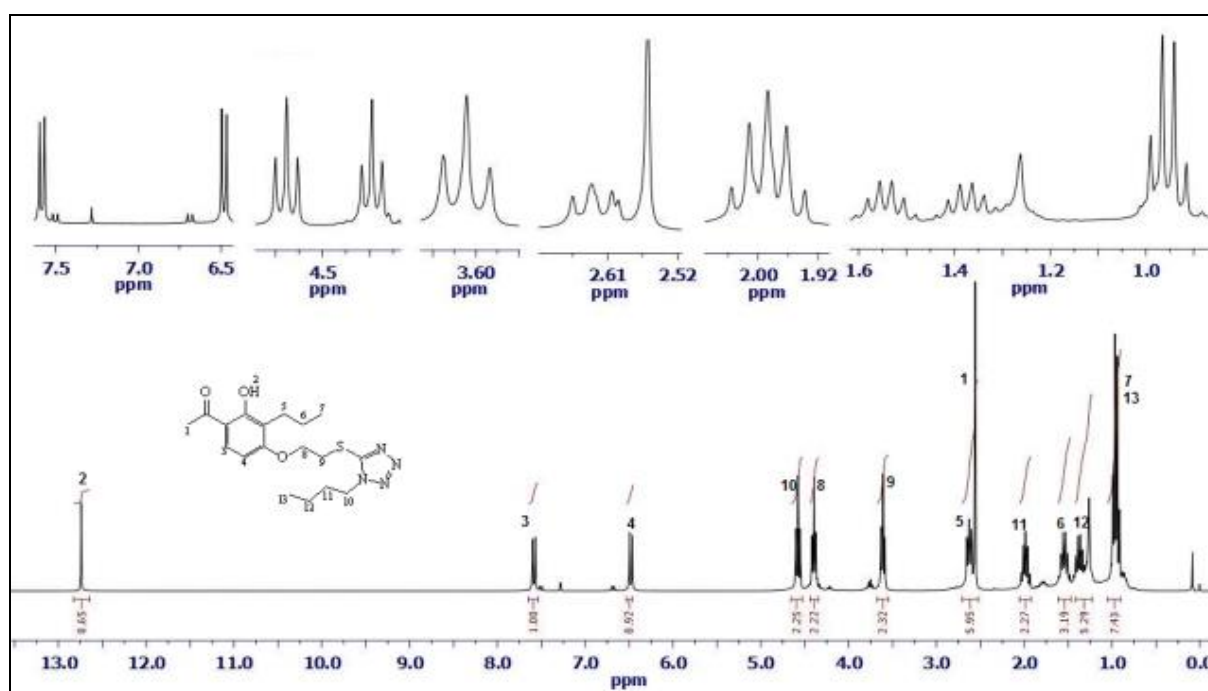


Figure S6: ^1H NMR Spectrum of Compound **4b**

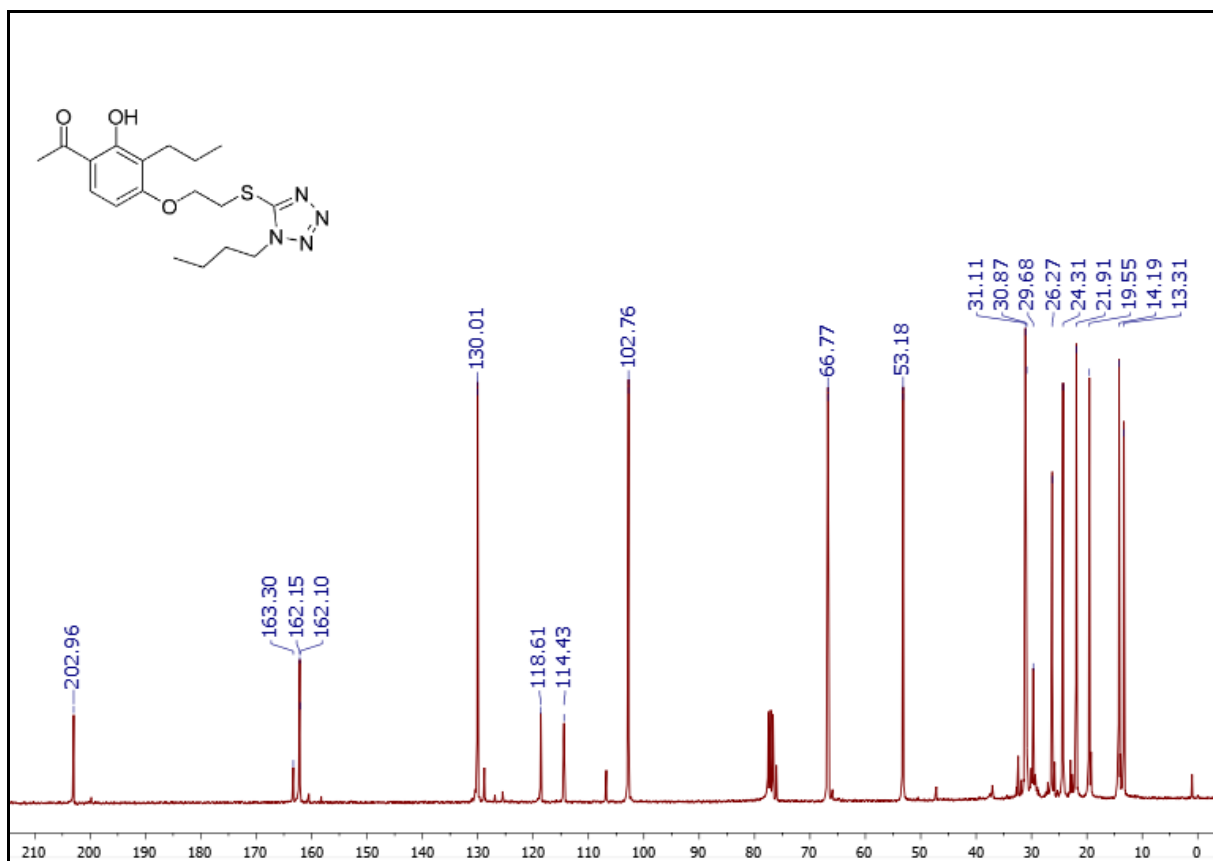


Figure S7: ¹³C-APT Spectrum of Compound **4b**

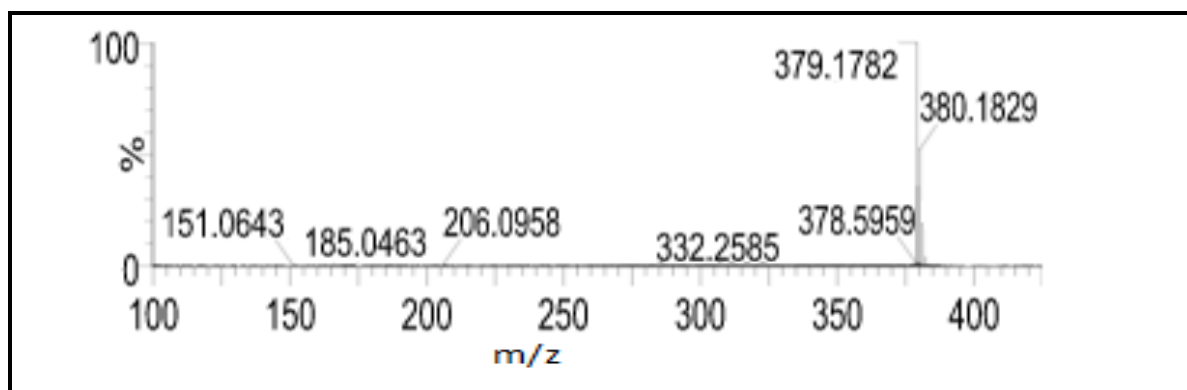


Figure S8: HRMS Spectrum of Compound **4b**

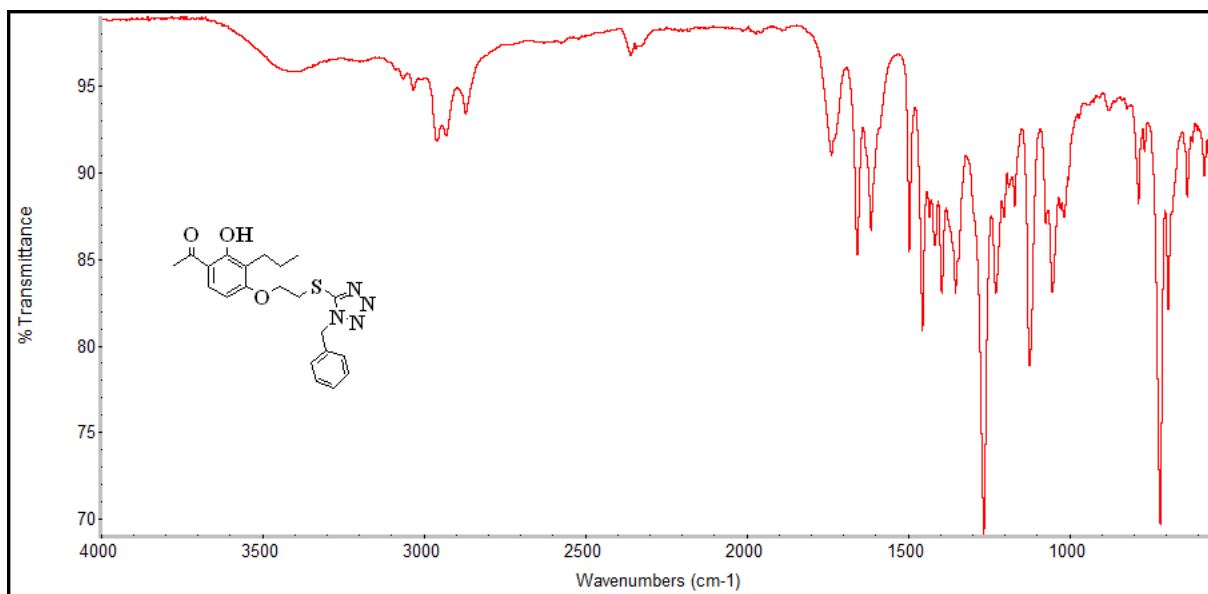


Figure S9: FTIR Spectrum of Compound 4c

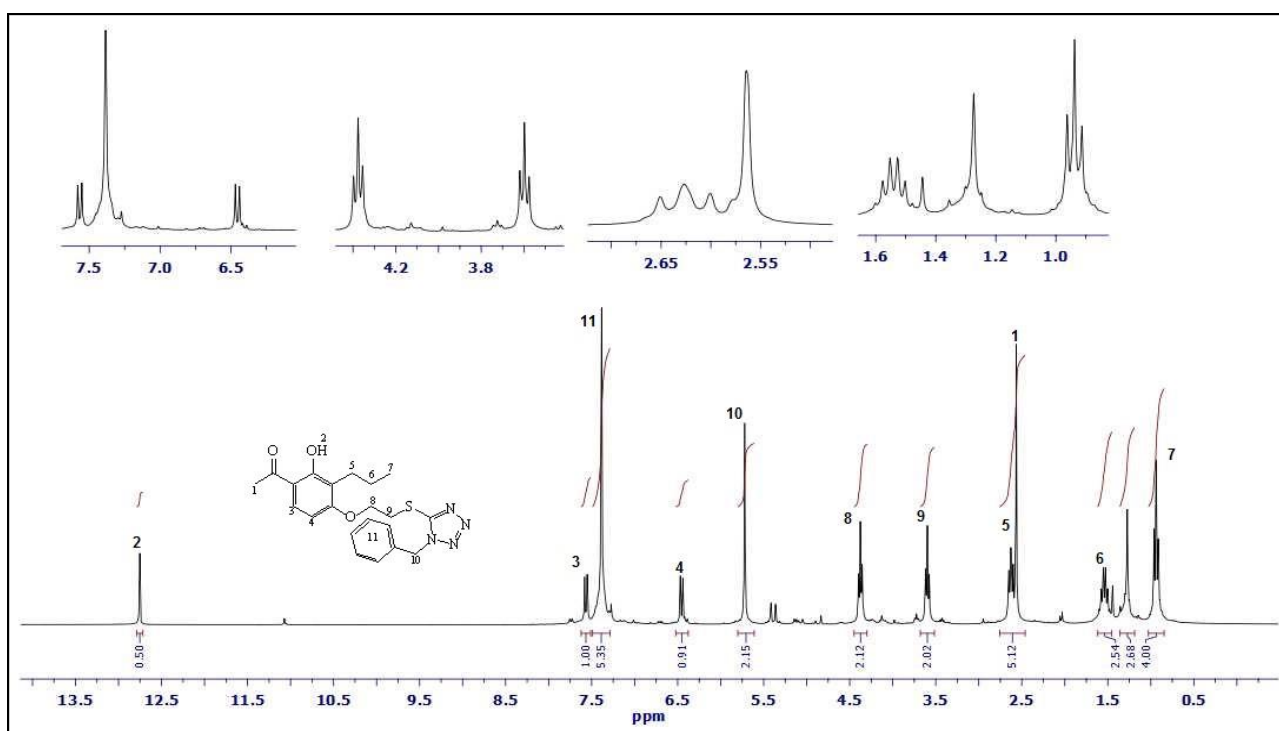


Figure S10: ¹H NMR Spectrum of Compound 4c

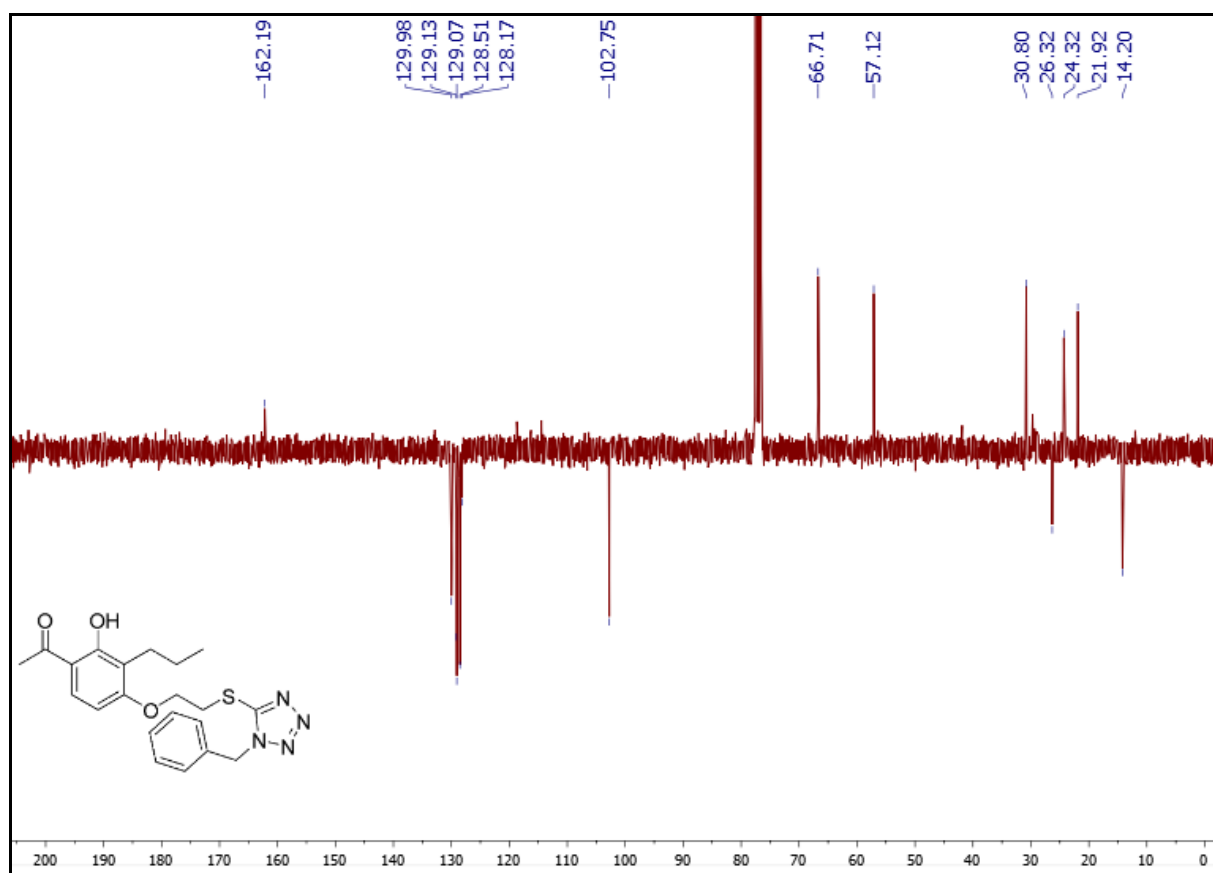


Figure S11: ^{13}C -APT Spectrum of Compound **4c**

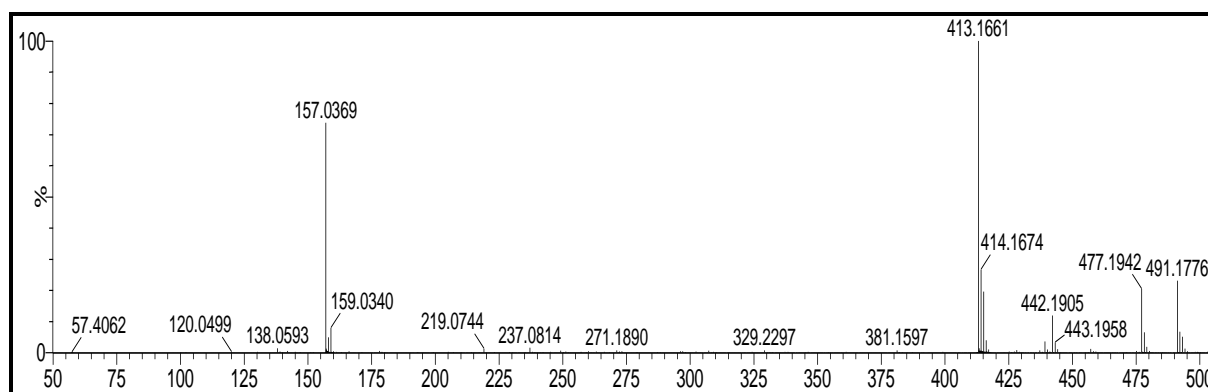


Figure S12: HRMS Spectrum of Compound **4c**

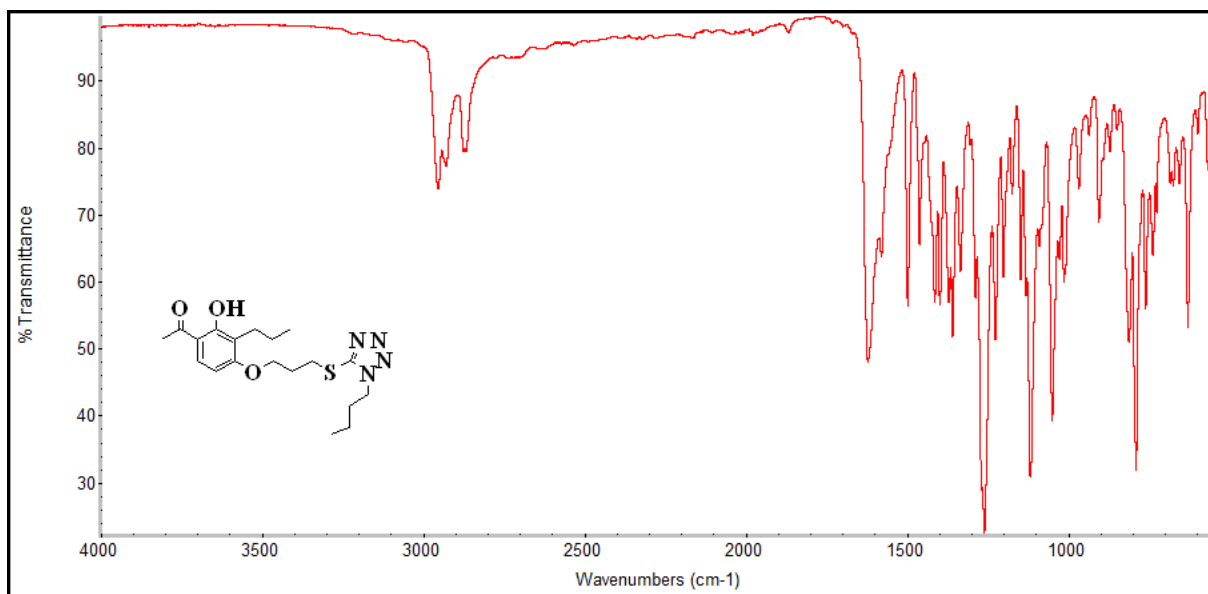


Figure S13: FTIR Spectrum of Compound 4d

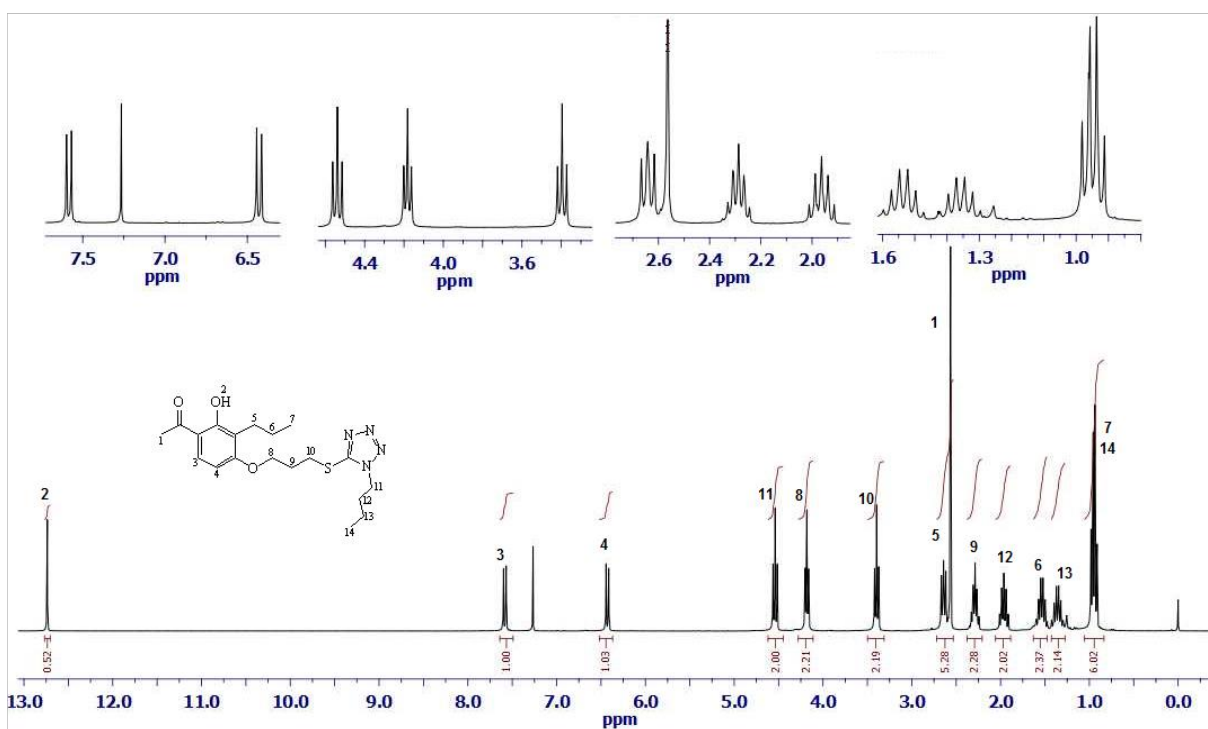


Figure S14: ¹H NMR Spectrum of Compound 4d

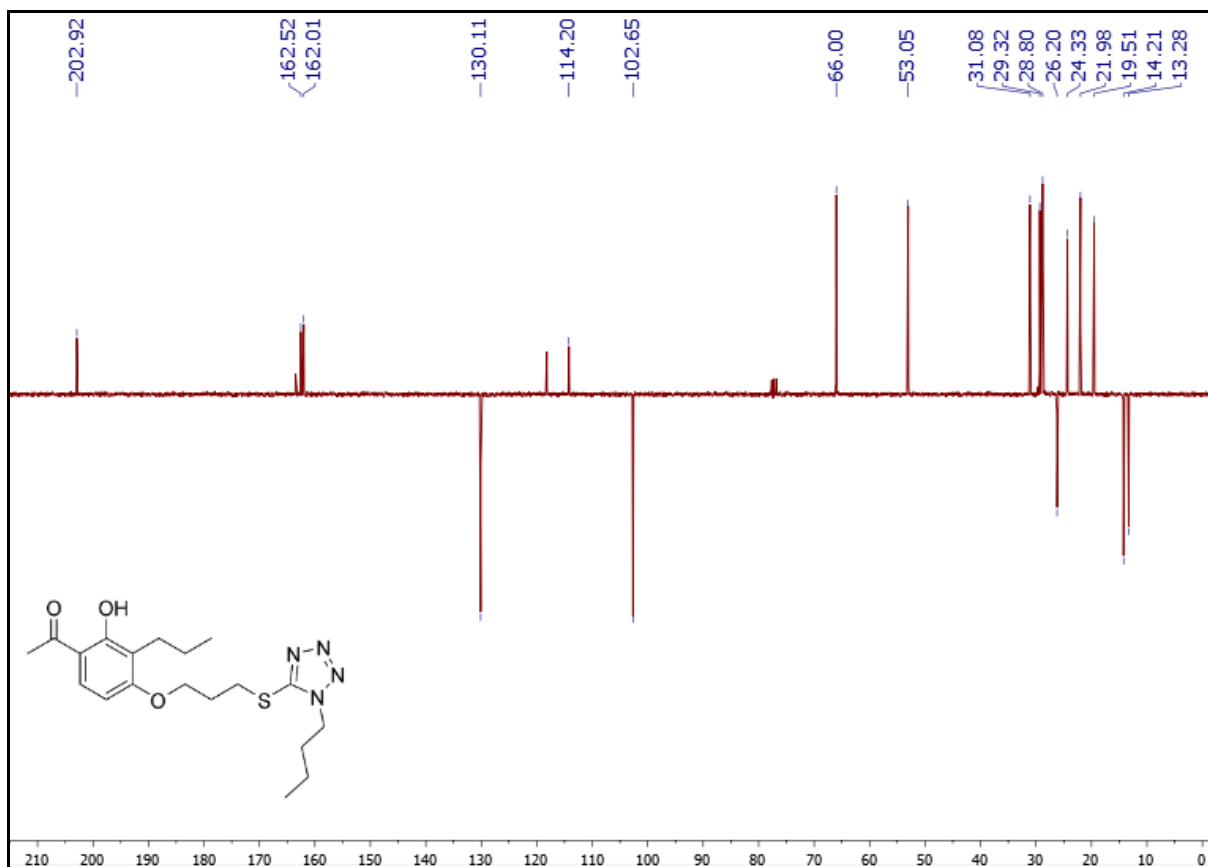


Figure S15: ^{13}C -APT Spectrum of Compound 4d

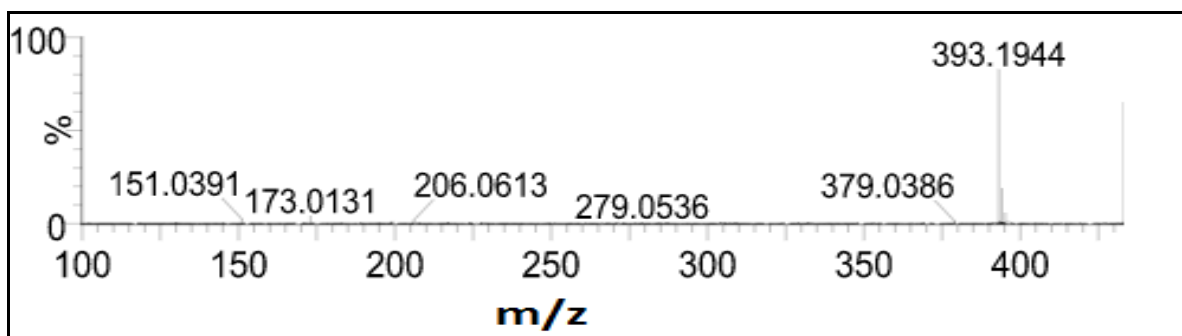


Figure S16: HRMS Spectrum of Compound 4d

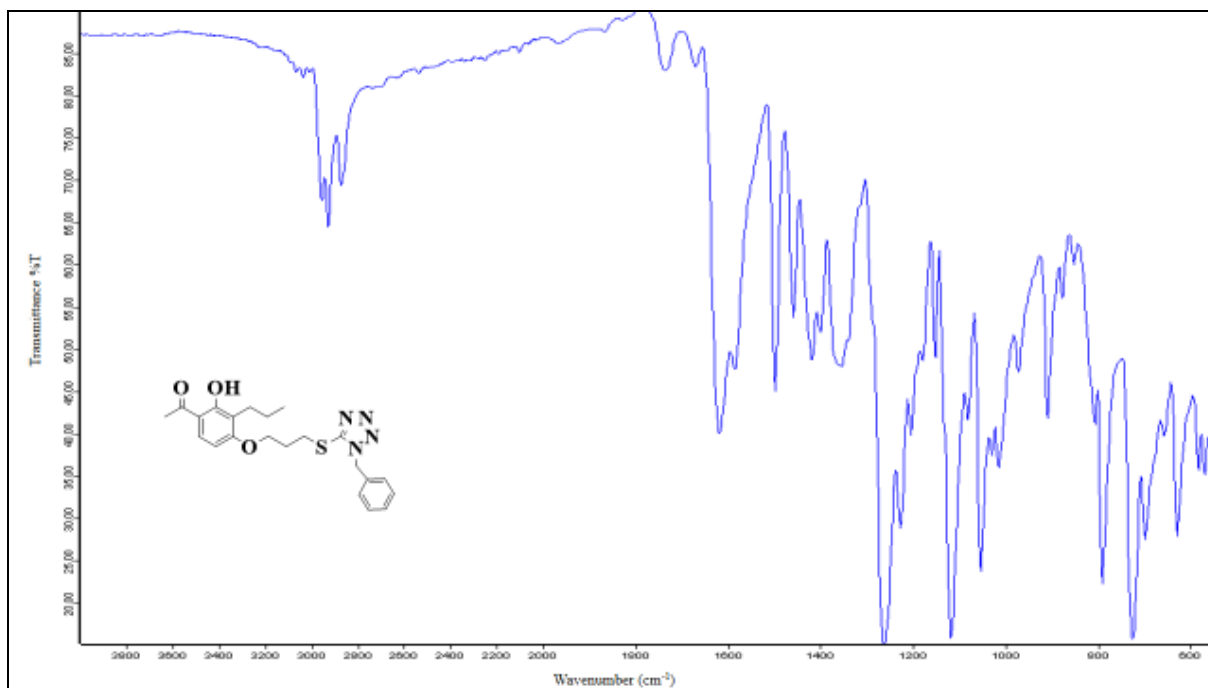


Figure S17: FTIR Spectrum of Compound **4e**

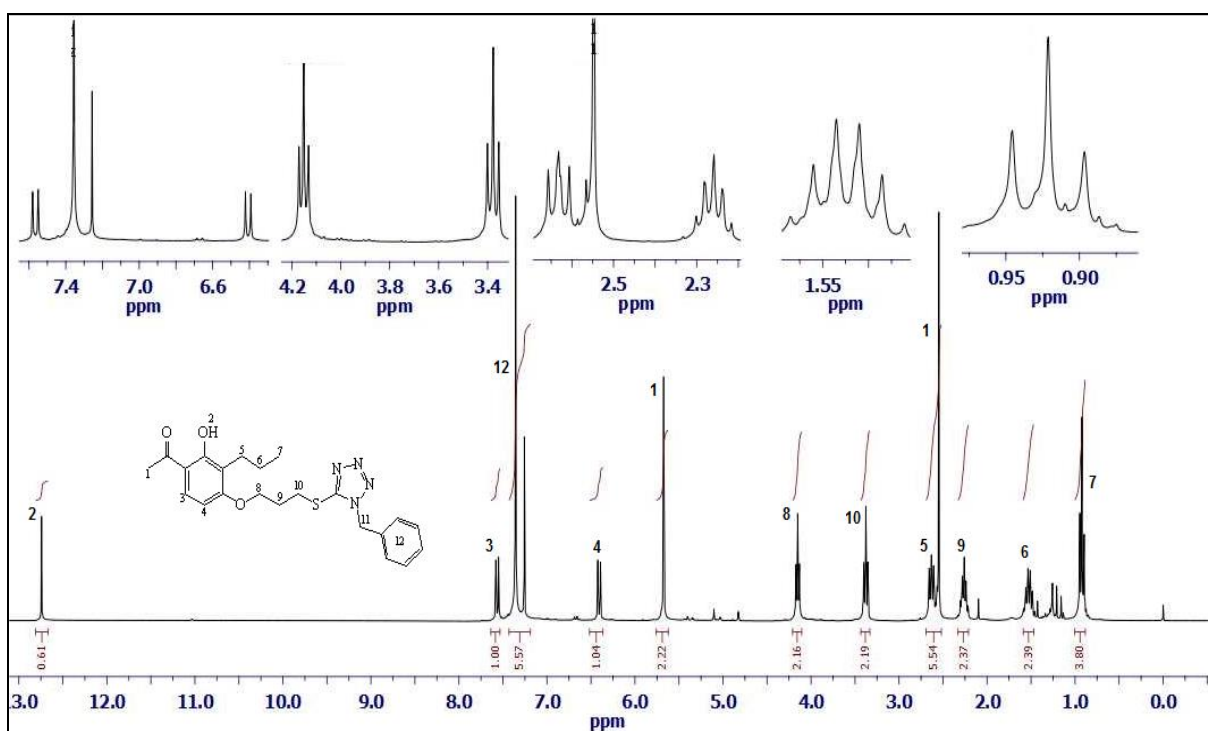


Figure S18: $^1\text{H-NMR}$ Spectrum of Compound **4e**

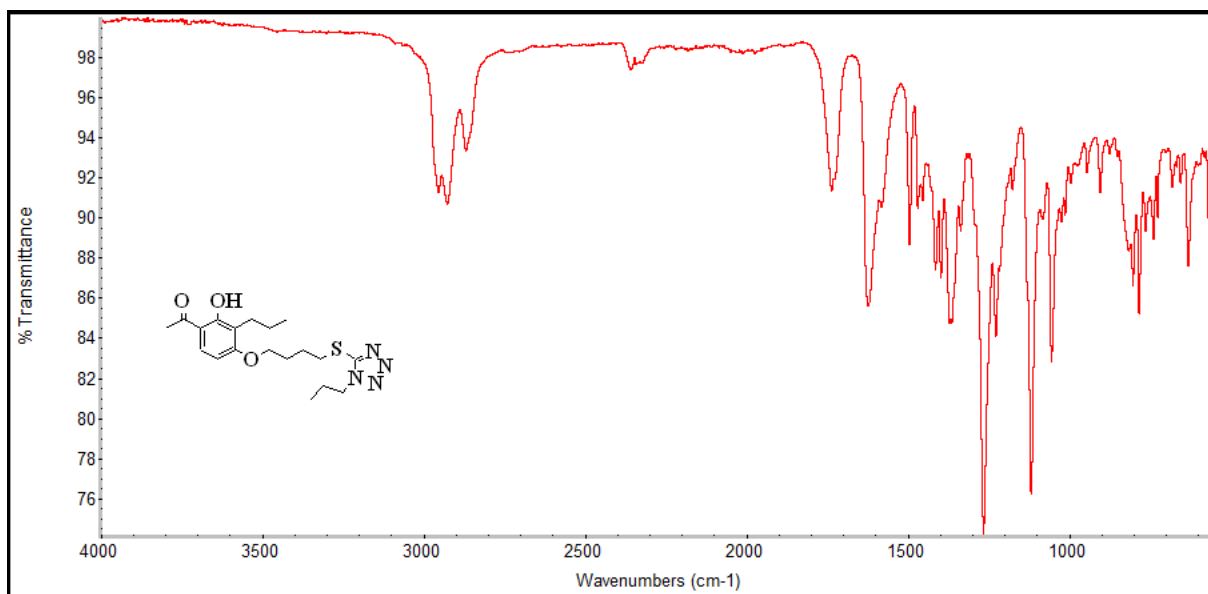


Figure S21: FTIR Spectrum of Compound **4f**

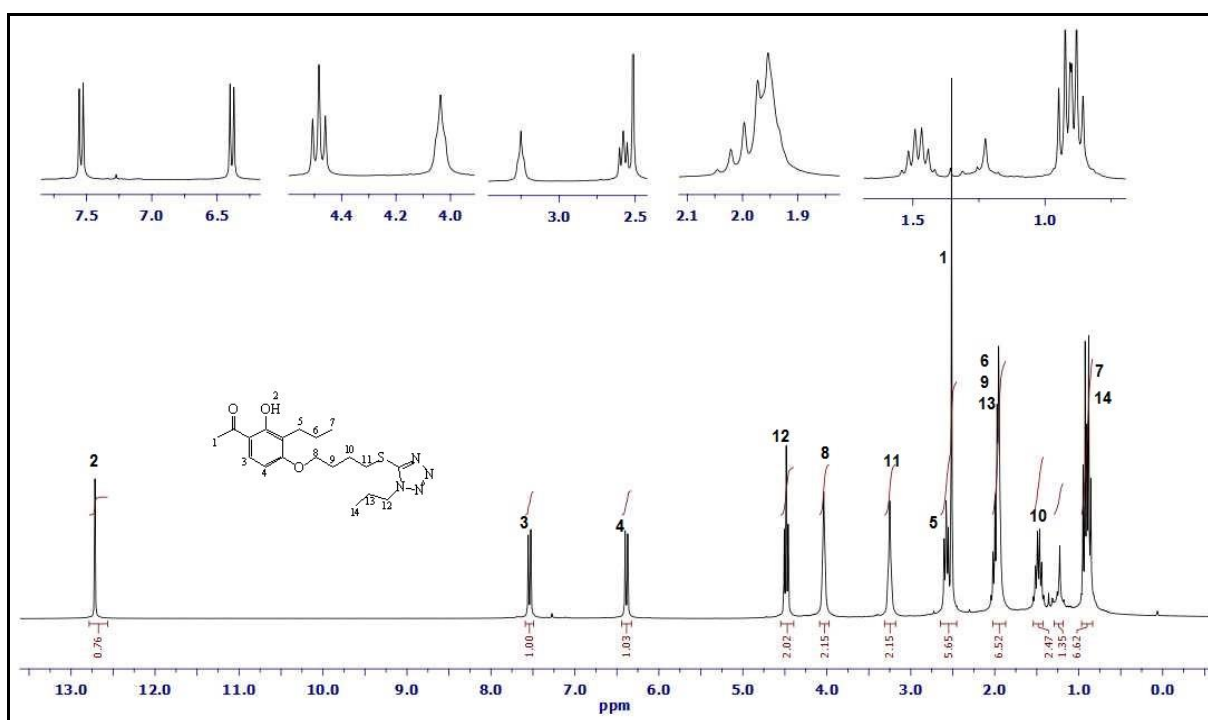


Figure S22: $^1\text{H-NMR}$ Spectrum of Compound **4f**

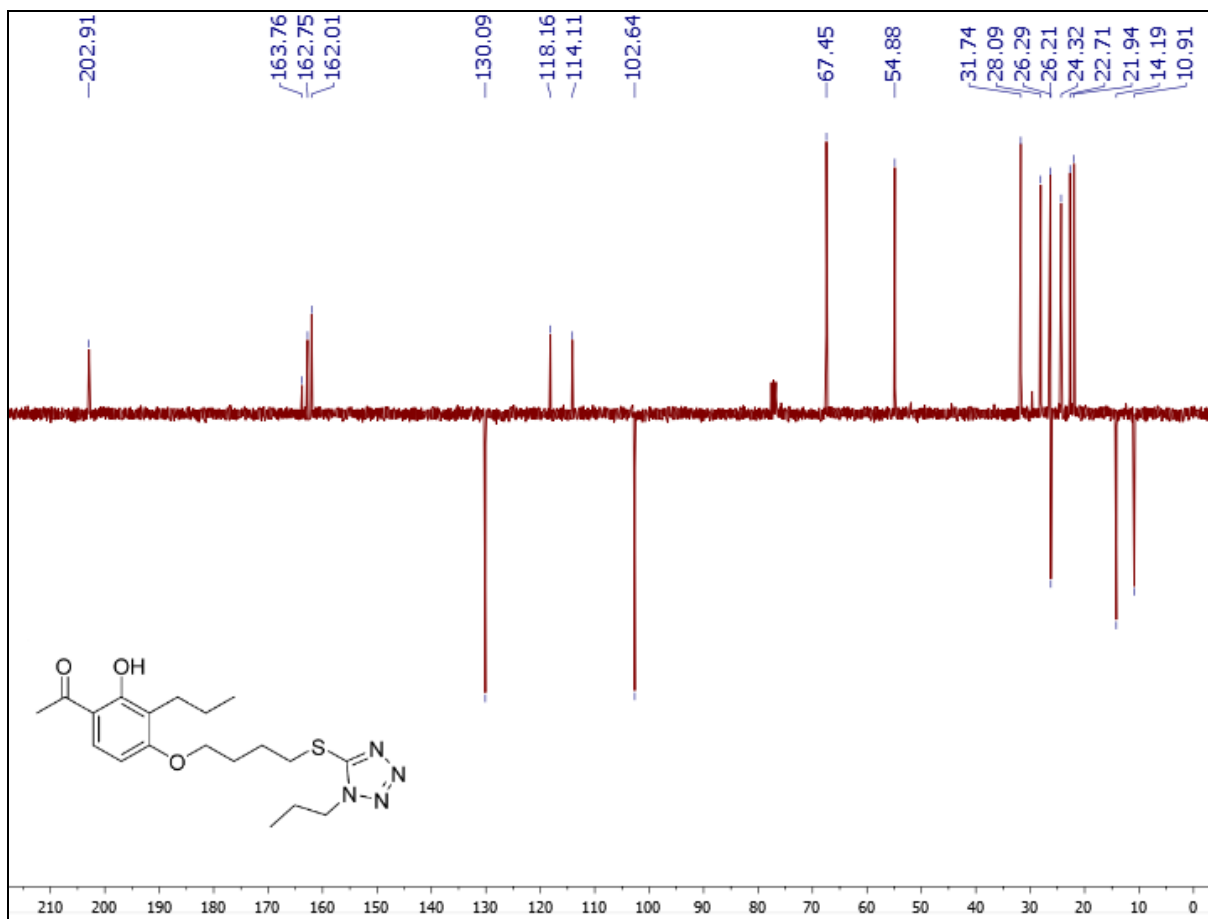


Figure S23: ^{13}C -APT Spectrum of Compound 4f

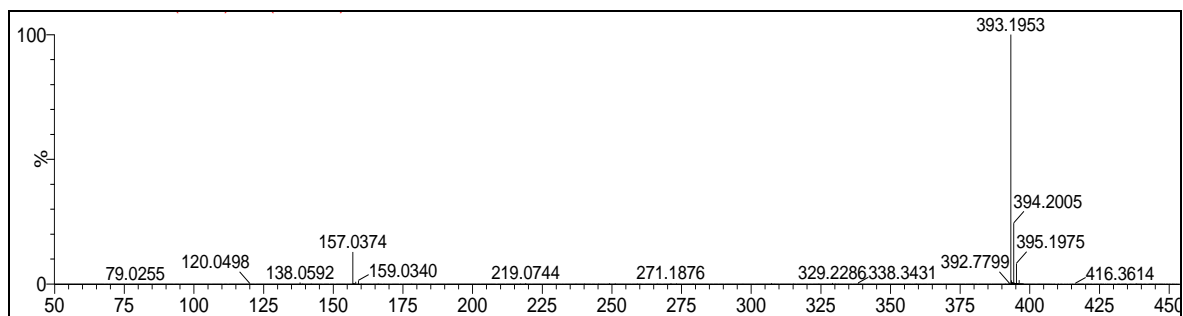


Figure S24: HRMS Spectrum of Compound 4f

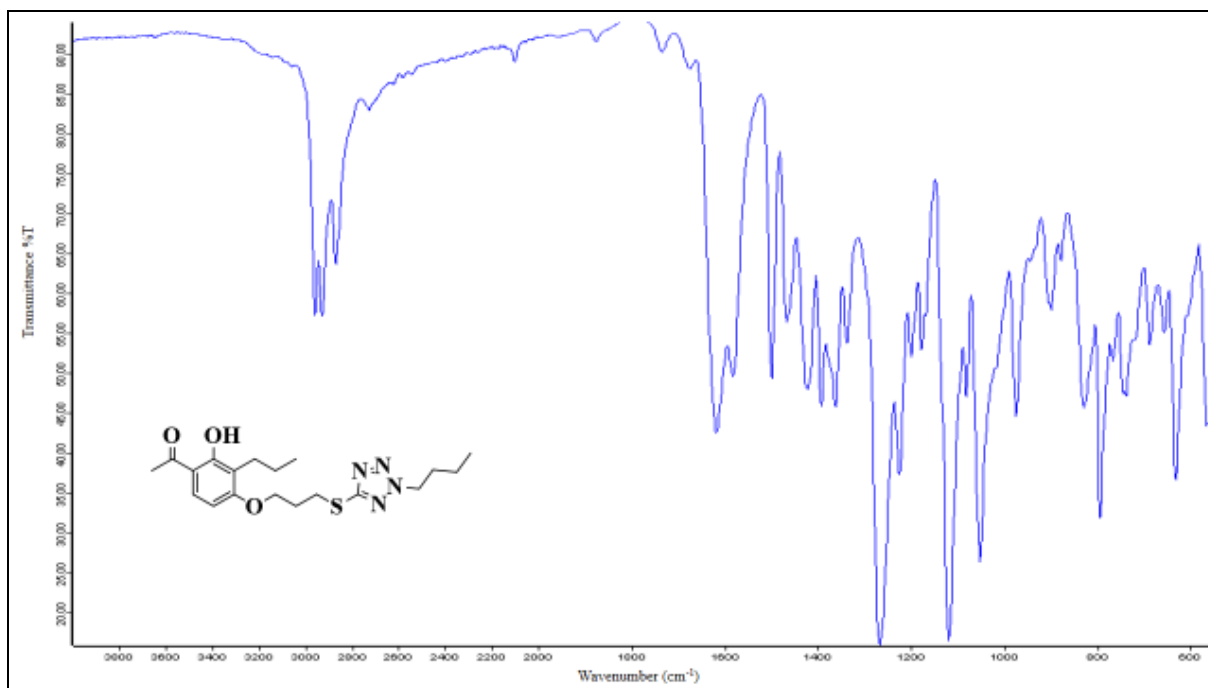


Figure S25: FTIR Spectrum of Compound **5d**

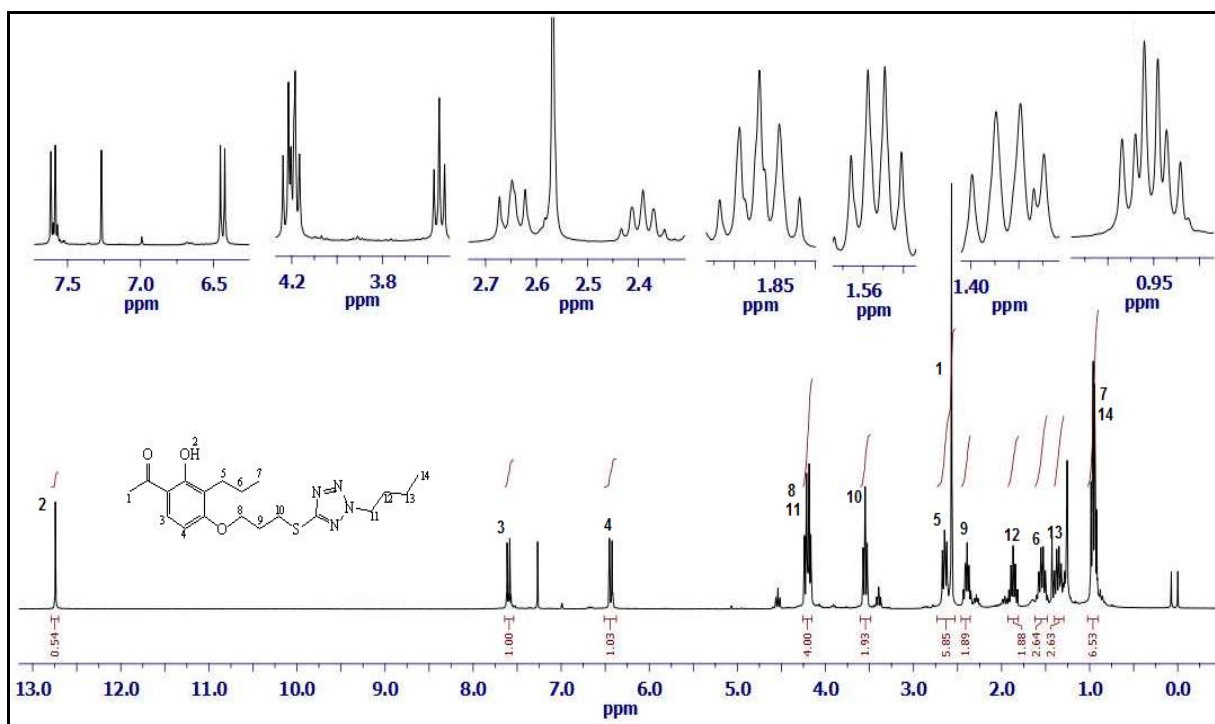


Figure S26: $^1\text{H-NMR}$ Spectrum of Compound **5d**

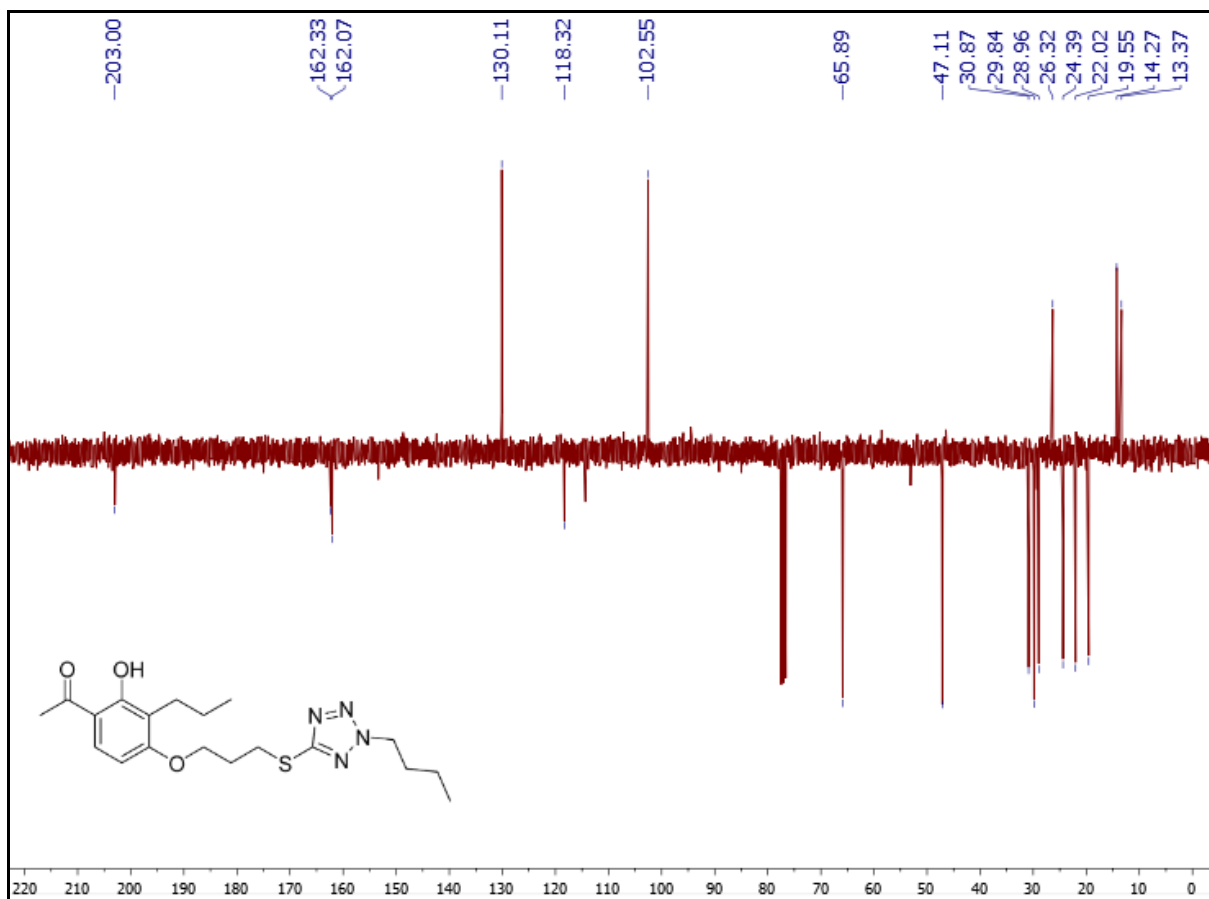


Figure S27: ^{13}C -APT Spectrum of Compound 5d

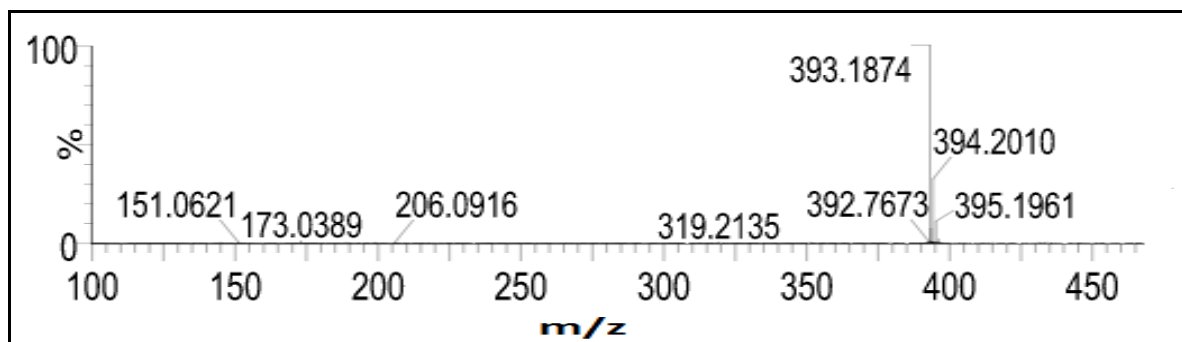


Figure S28: HRMS Spectrum of Compound 5d

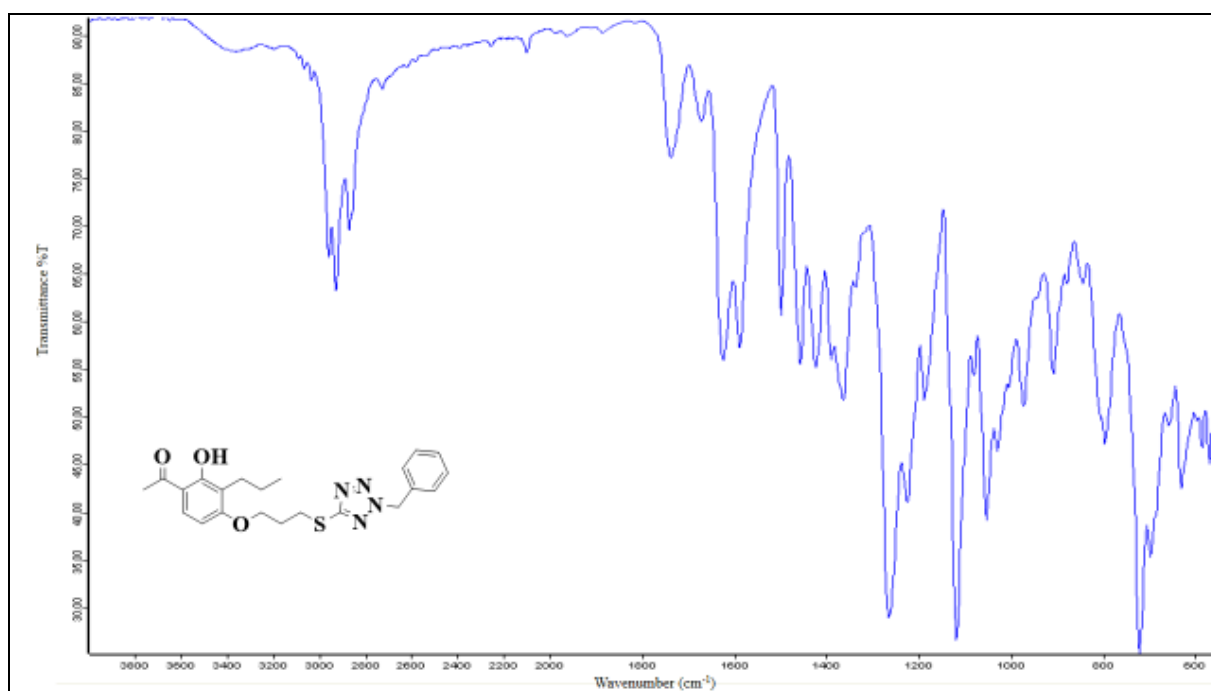


Figure S29: FTIR Spectrum of Compound **5e**

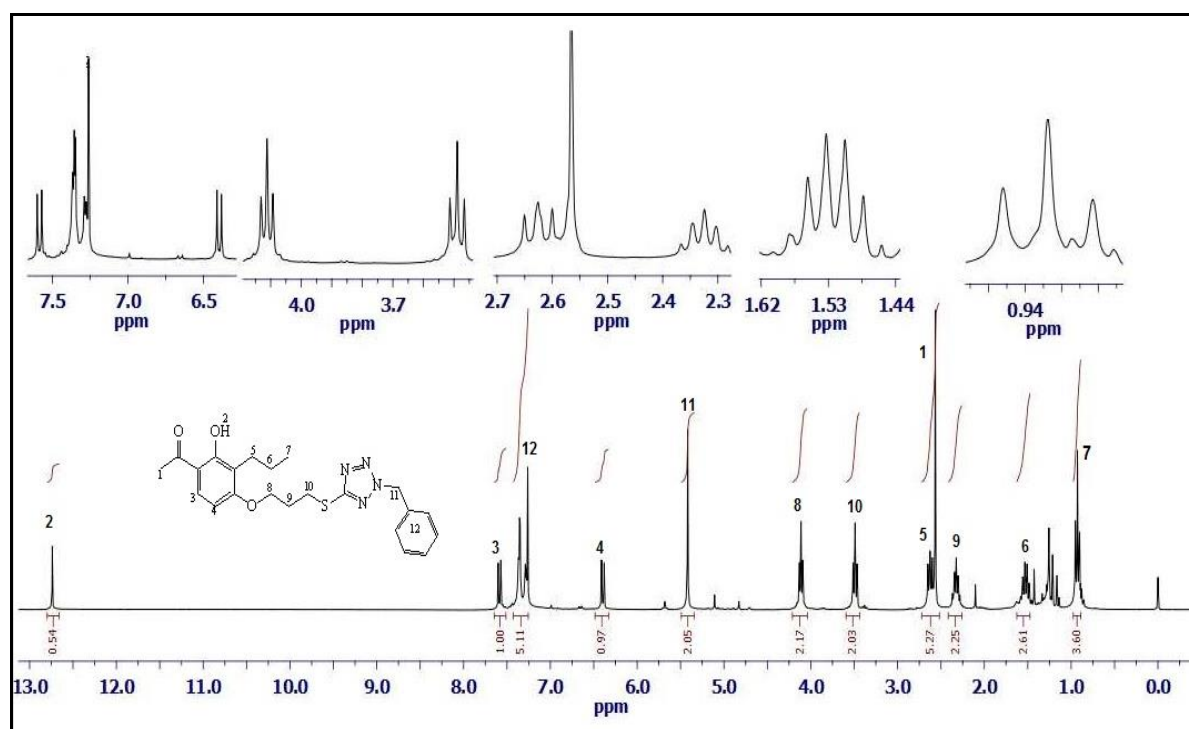


Figure S30: ¹H-NMR Spectrum of Compound **5e**

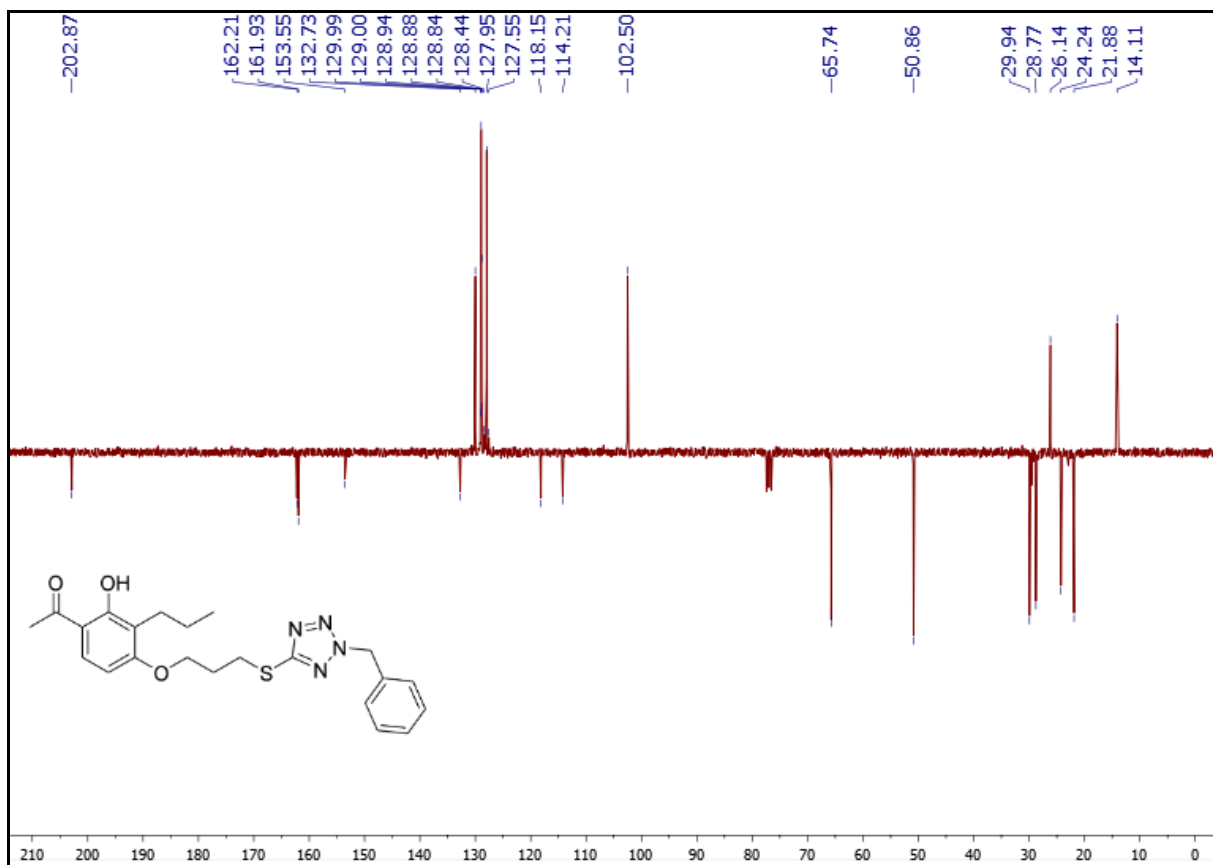


Figure S31: ^{13}C -APT Spectrum of Compound 5e

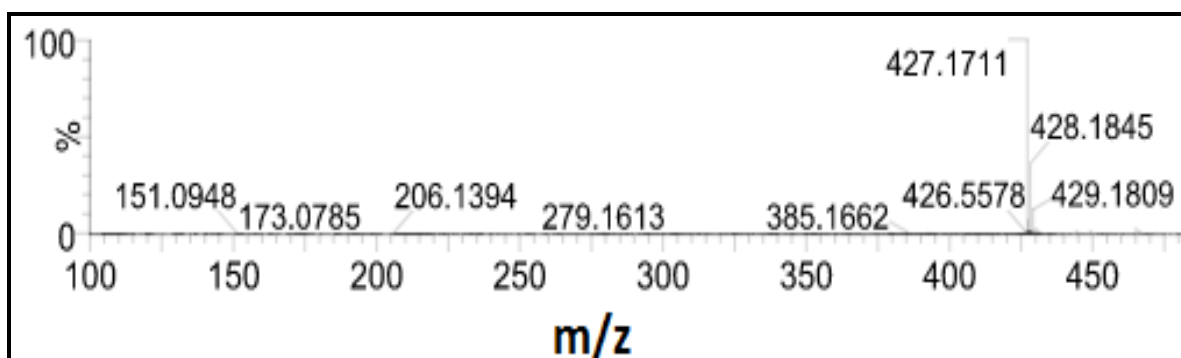


Figure S32: HRMS Spectrum of Compound 5e

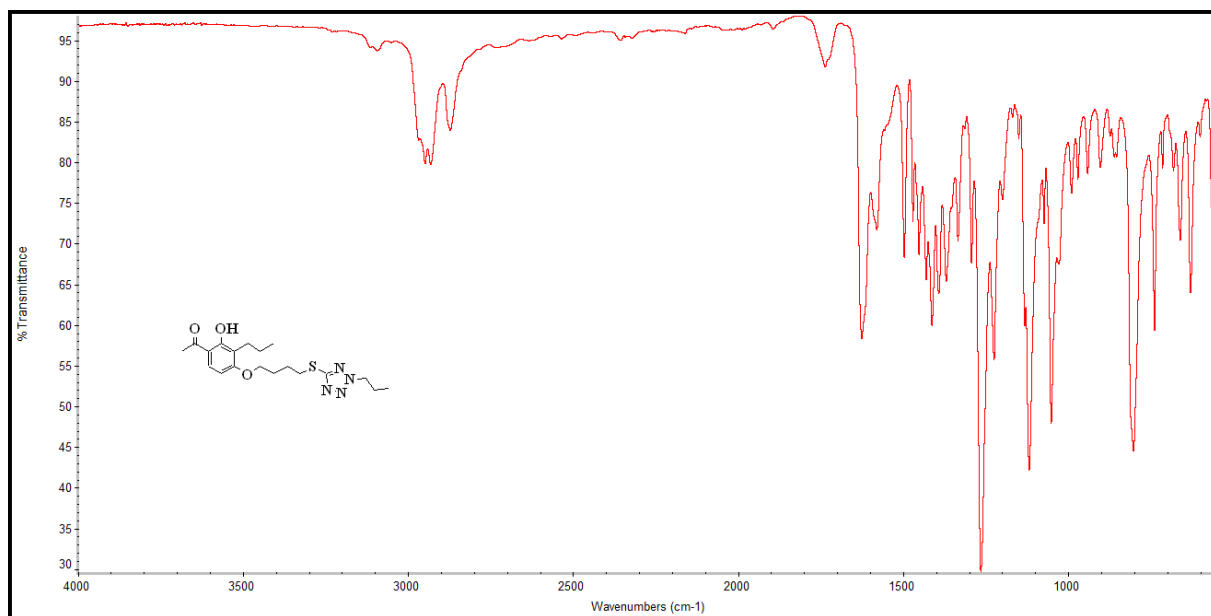


Figure S33: FTIR Spectrum of Compound **5f**

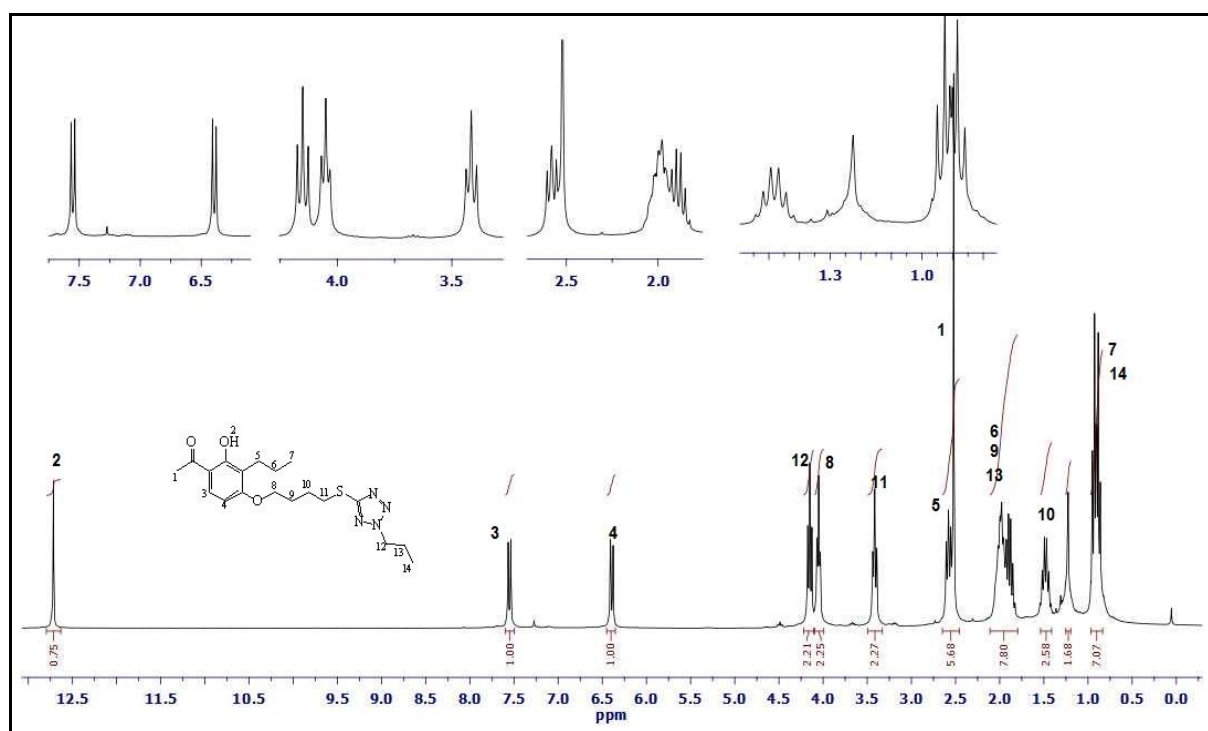


Figure S34: ^1H NMR Spectrum of Compound **5f**

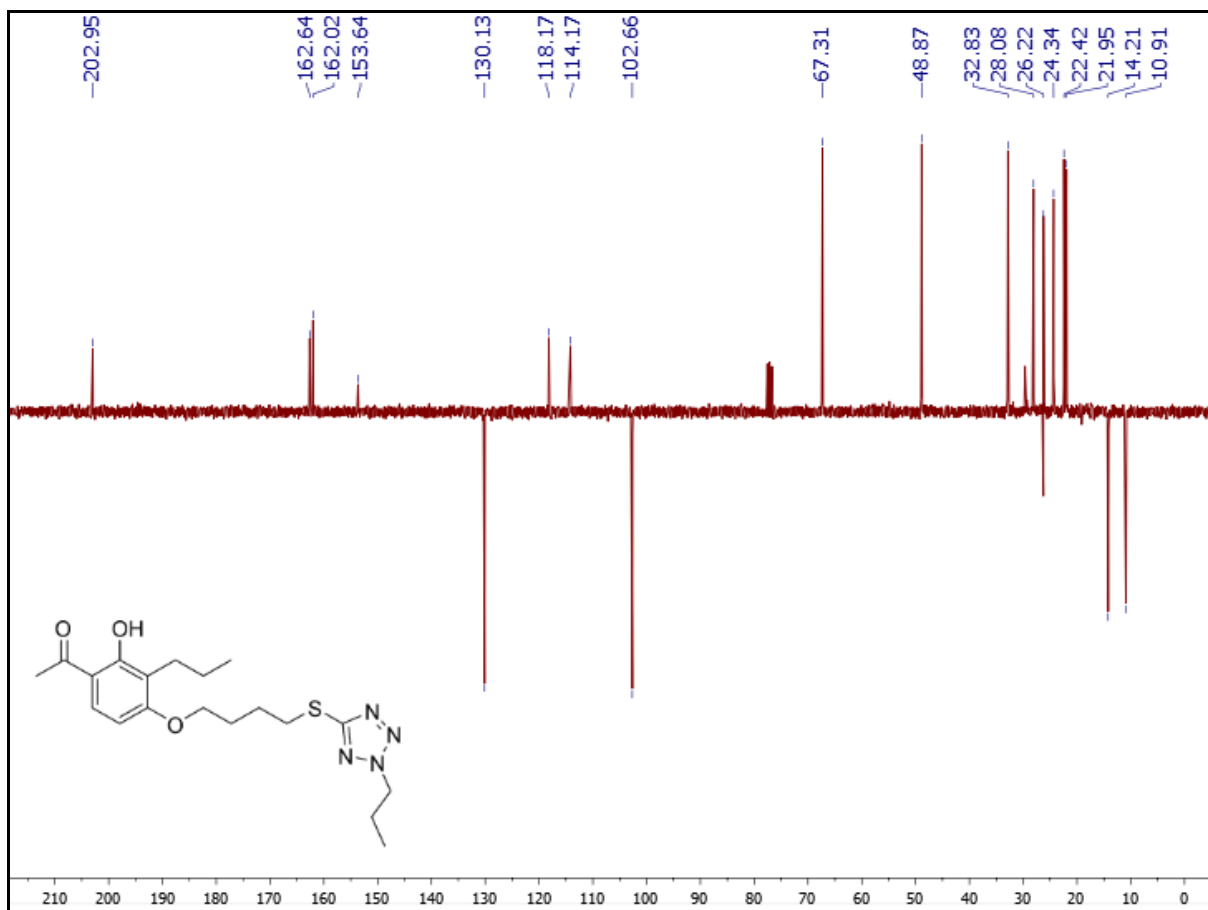


Figure S35: ^{13}C -APT Spectrum of Compound 5f

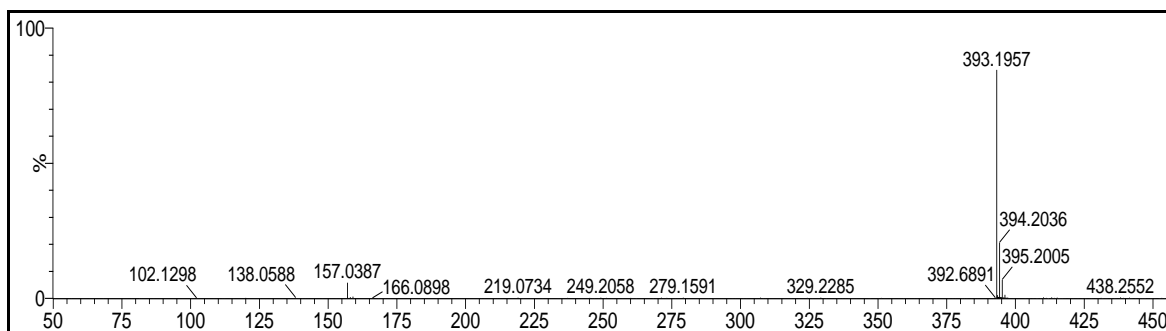


Figure S36: HRMS Spectrum of Compound 5f