Supporting Information

For

Design and synthesis of (*Z*)-5-(substituted benzylidene)-3-cyclohexyl-2-thioxothiazolidin-4-one analogues as anti-tyrosinase and antioxidant compounds: *In vitro* and *in silico* insights

Jeongin Ko [1,†], Jieun Lee [1,†], Hee Jin Jung [2,†], Sultan Ullah [3], Yeongmu Jeong [1], Sojeong Hong [1], Min Kyung Kang [1], Yu Jung Park [1], YeJi Hwang [1], Dongwan Kang [4], Yujin Park [4], Pusoon Chun [5], Jin-Wook Yoo [1], Hae Young Chung [2] and Hyung Ryong Moon [1,*]

[1] Department of Manufacturing Pharmacy, College of Pharmacy, Pusan National University, Busan 46241, Korea
[2] Department of Pharmacy, College of Pharmacy, Pusan National University, Busan 46241, Korea
[3] Department of Molecular Medicine, The Scripps Research Institute, Jupiter, FL 33458, USA
[4] New Drug Development Center, Department of Medicinal Chemistry, Daegu-Gyeongbuk Medical Innovation Foundation, Daegu 41061, Korea
[5] College of Pharmacy and Inje Institute of Pharmaceutical Sciences and Research, Inje University, Gimhae 50834, Korea
* Correspondence: mhr108@pusan.ac.kr
† These authors contributed equally to this work.

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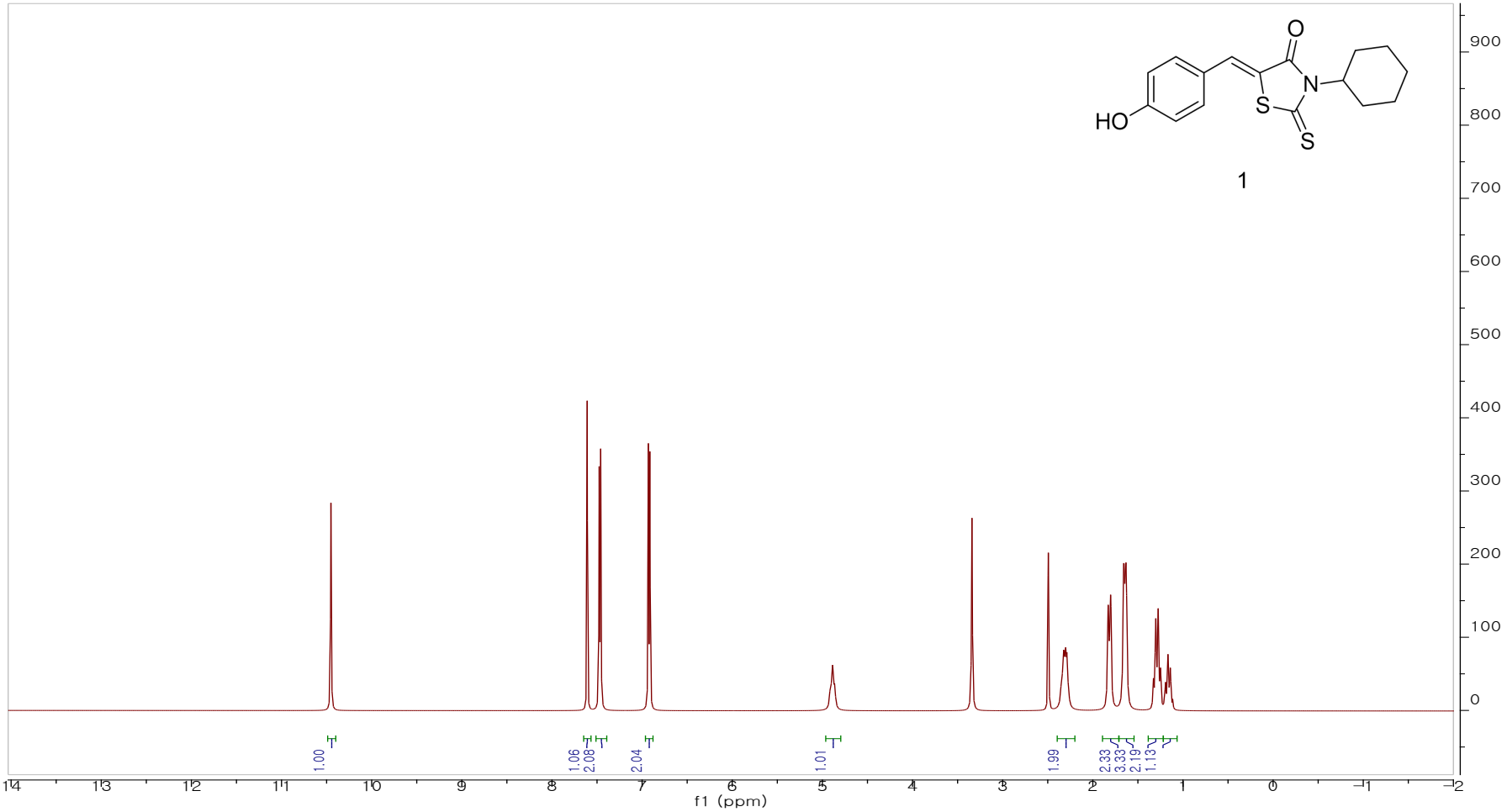


Figure S1. ^{1}H NMR spectrum of compound **1**

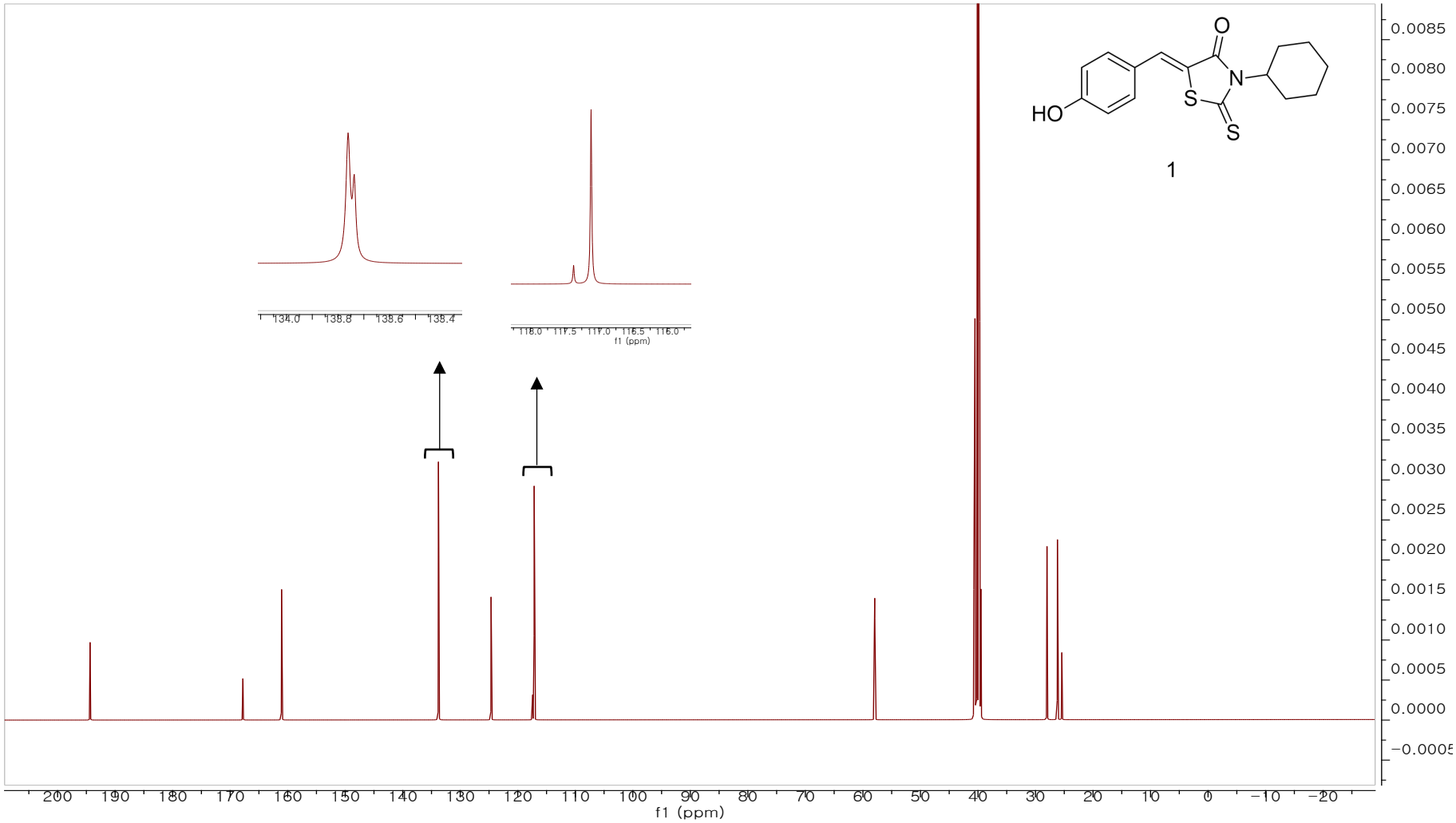


Figure S2. ^{13}C NMR spectrum of compound **1**

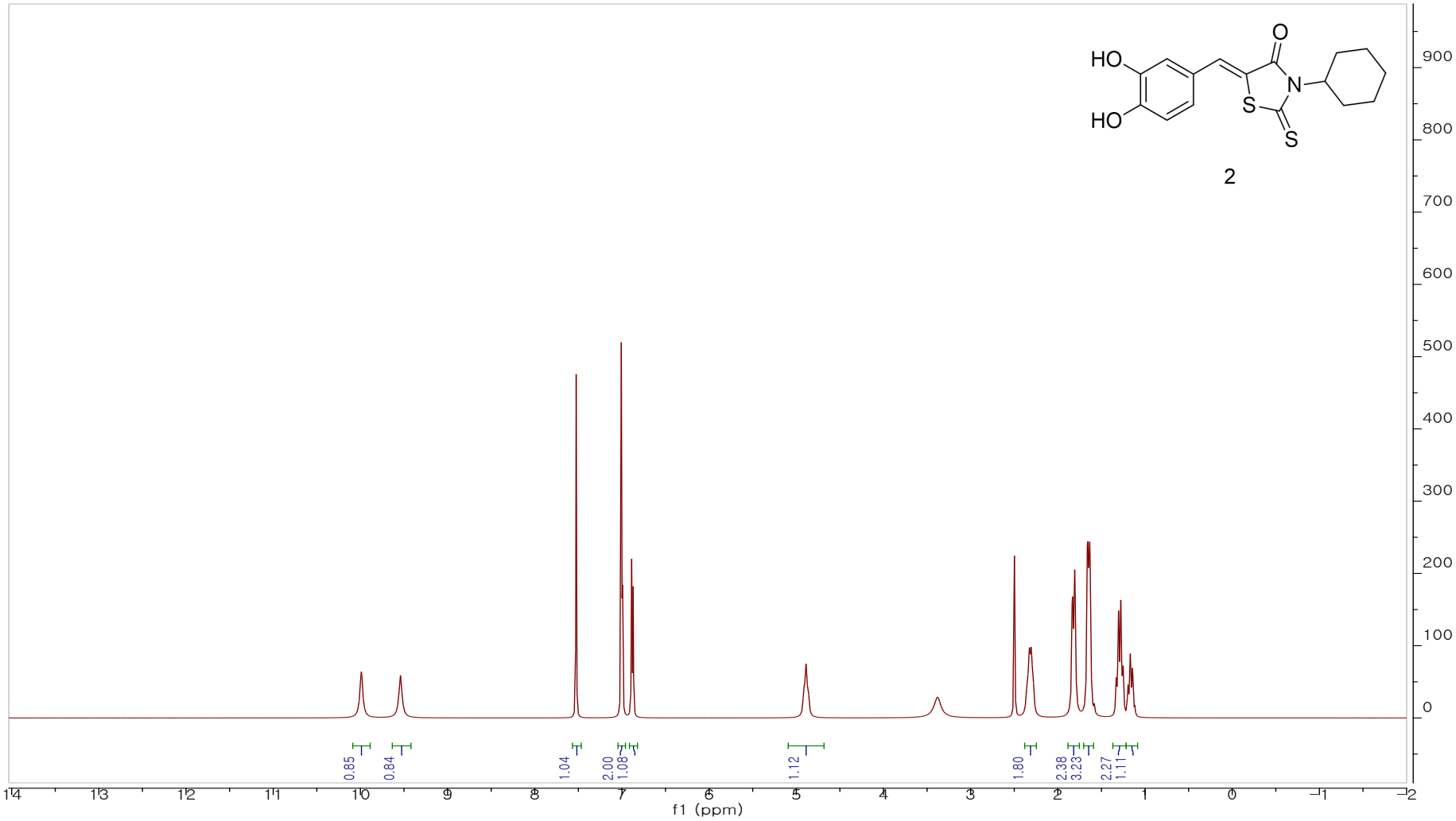
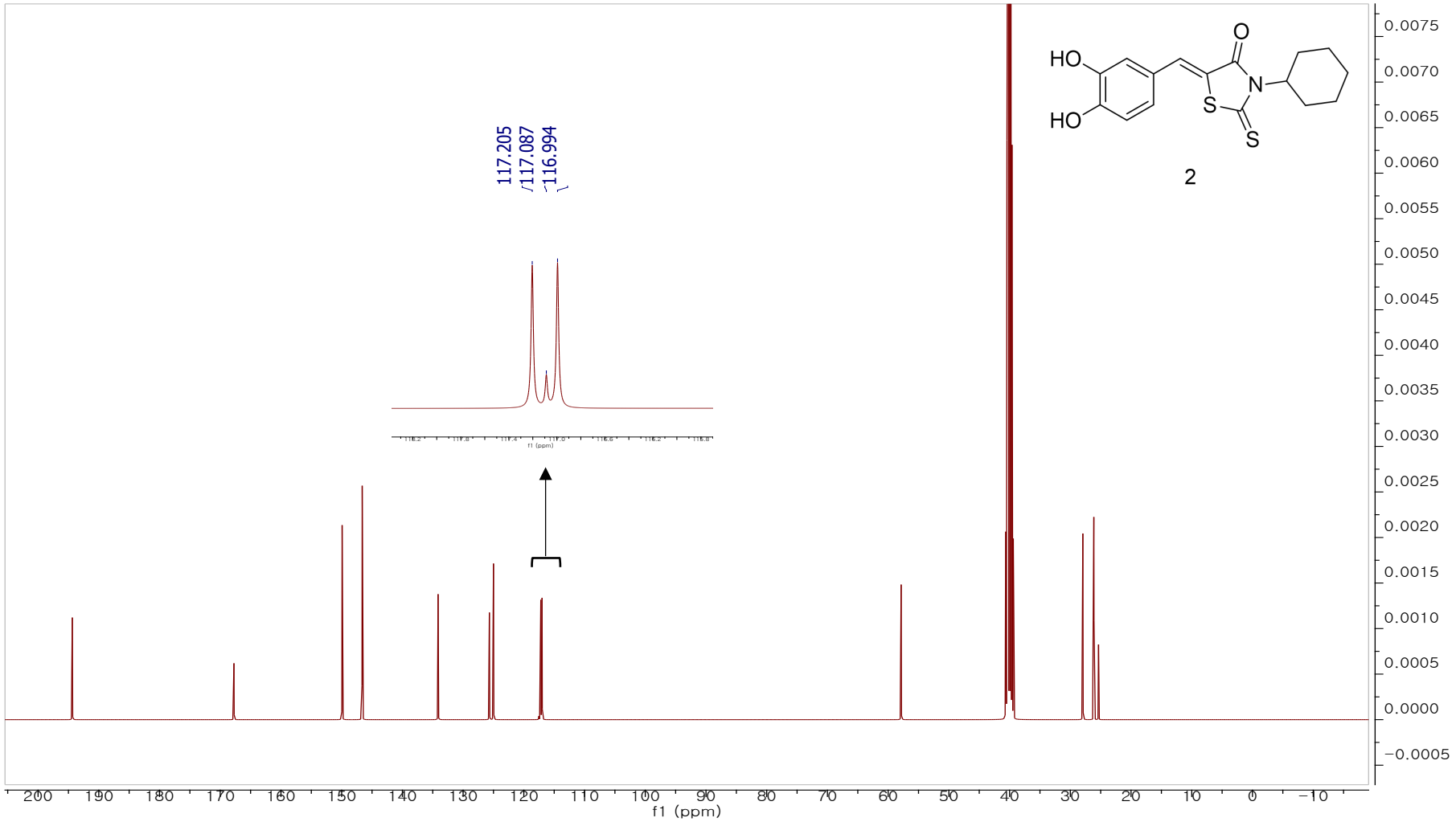


Figure S3. ^{1}H NMR spectrum of compound **2**



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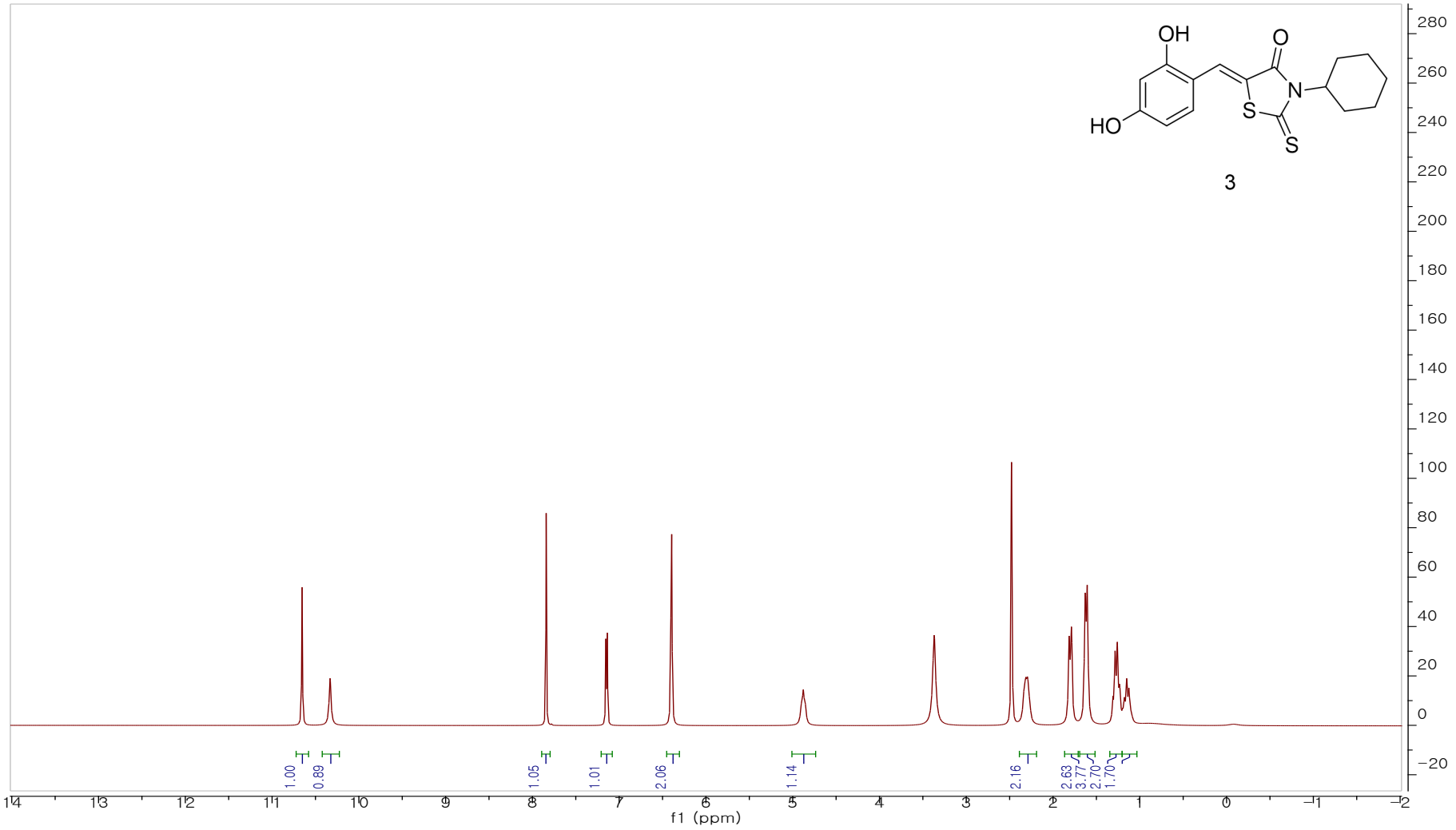


Figure S5. ^{1}H NMR spectrum of compound **3**

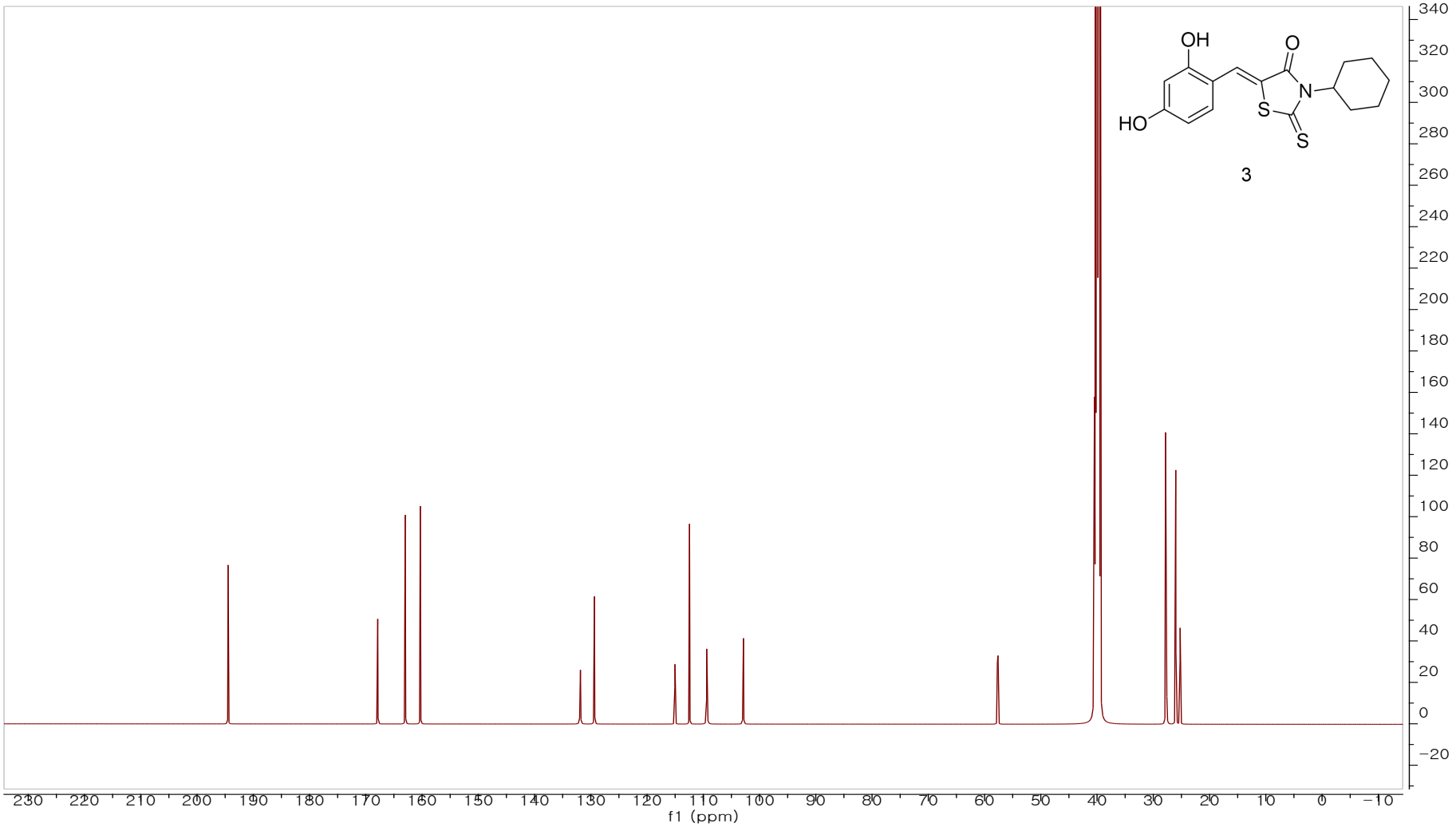


Figure S6. ^{13}C NMR spectrum of compound **3**

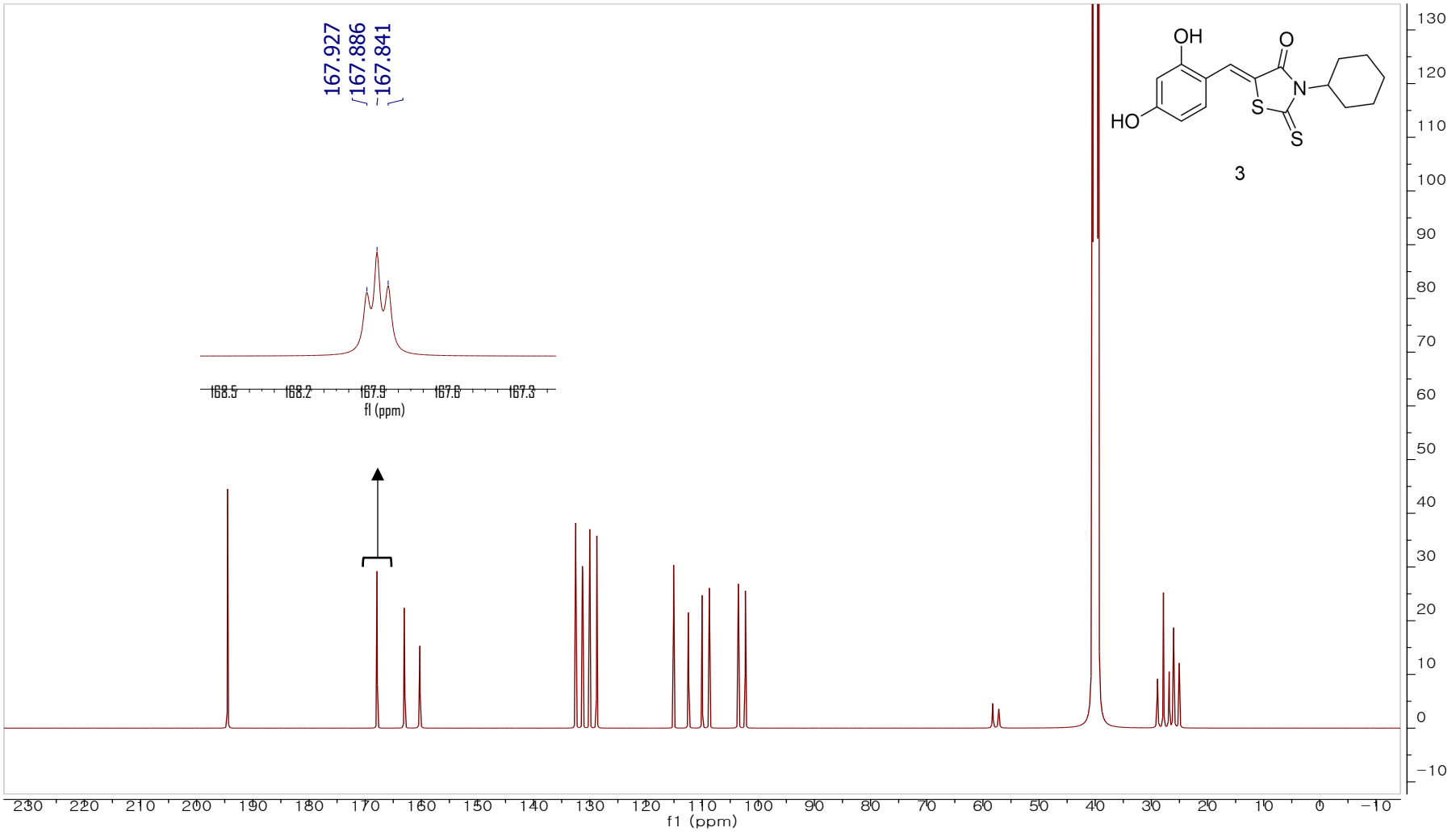


Figure S7. Proton-coupled ^{13}C NMR spectrum of compound **3**

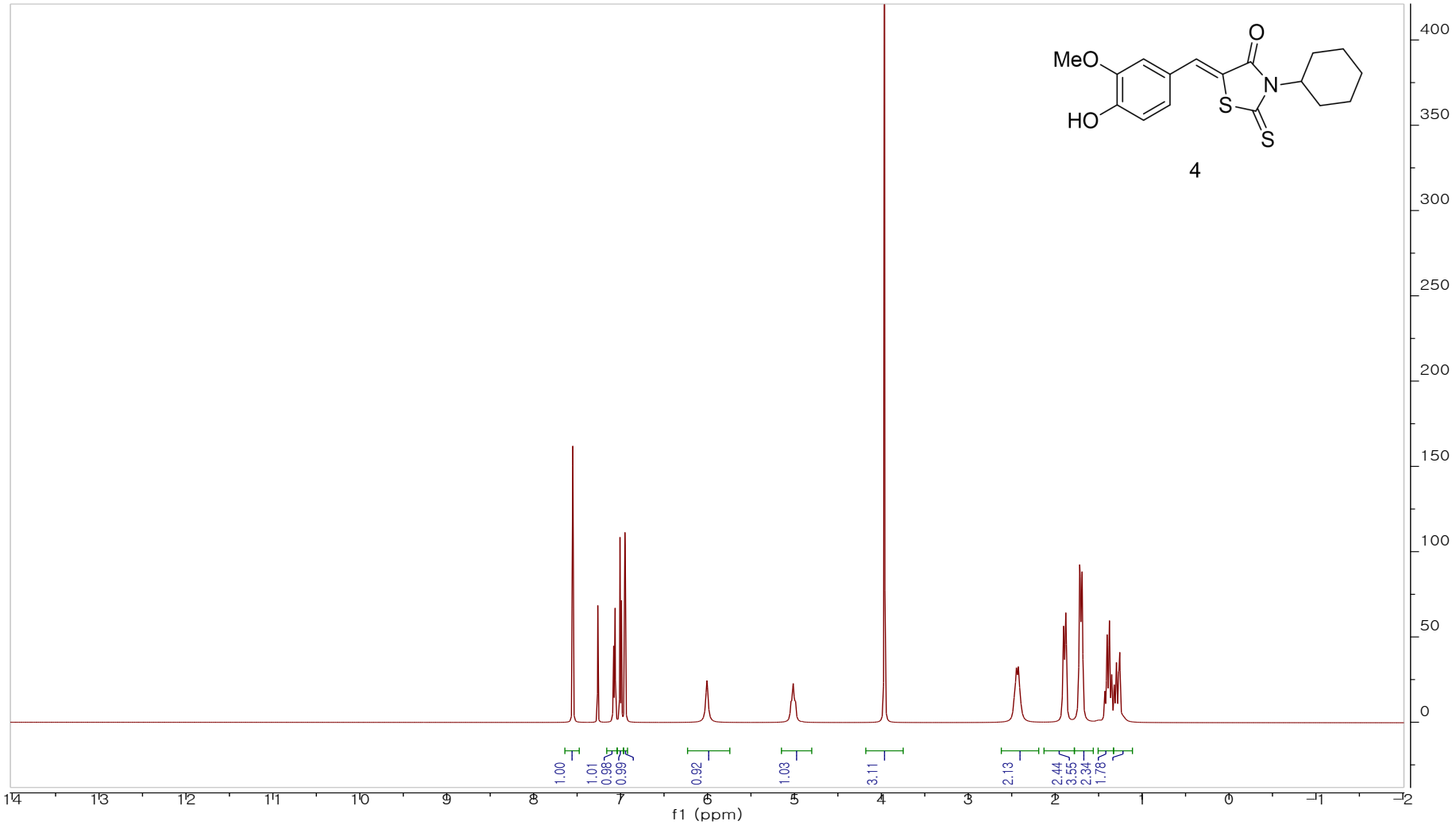


Figure S8. ^{1}H NMR spectrum of compound **4**

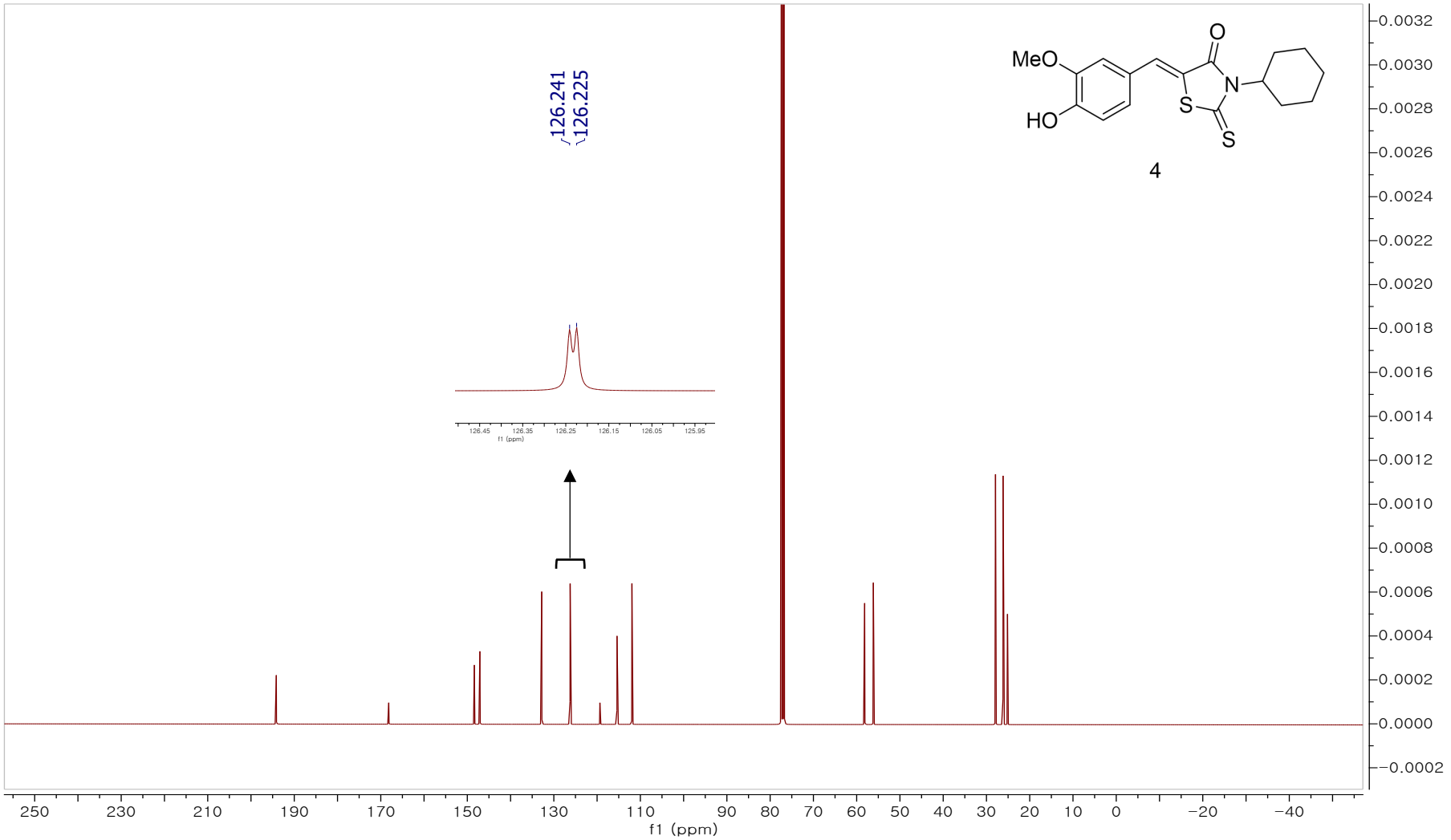


Figure S9. ^{13}C NMR spectrum of compound **4**

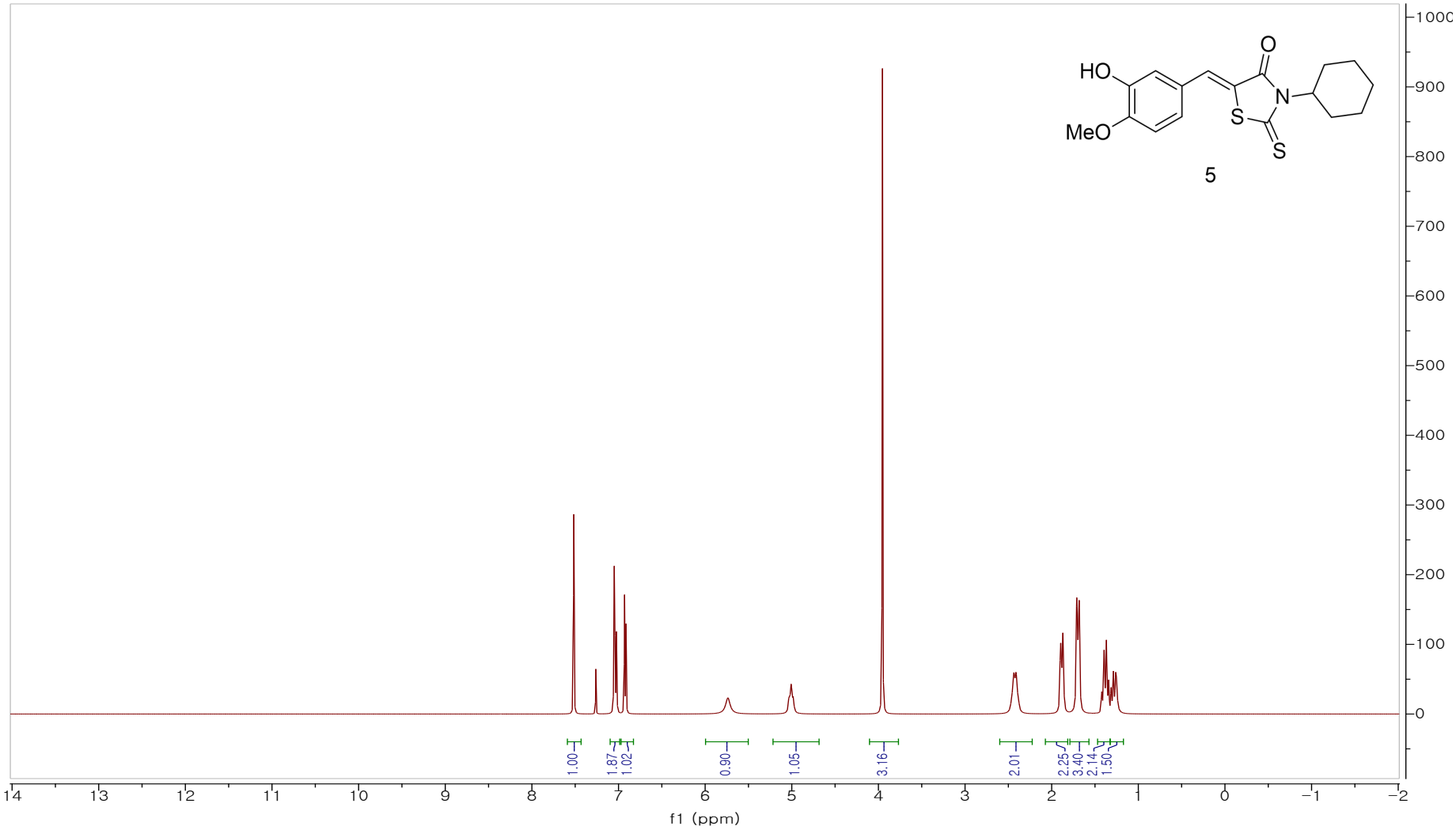
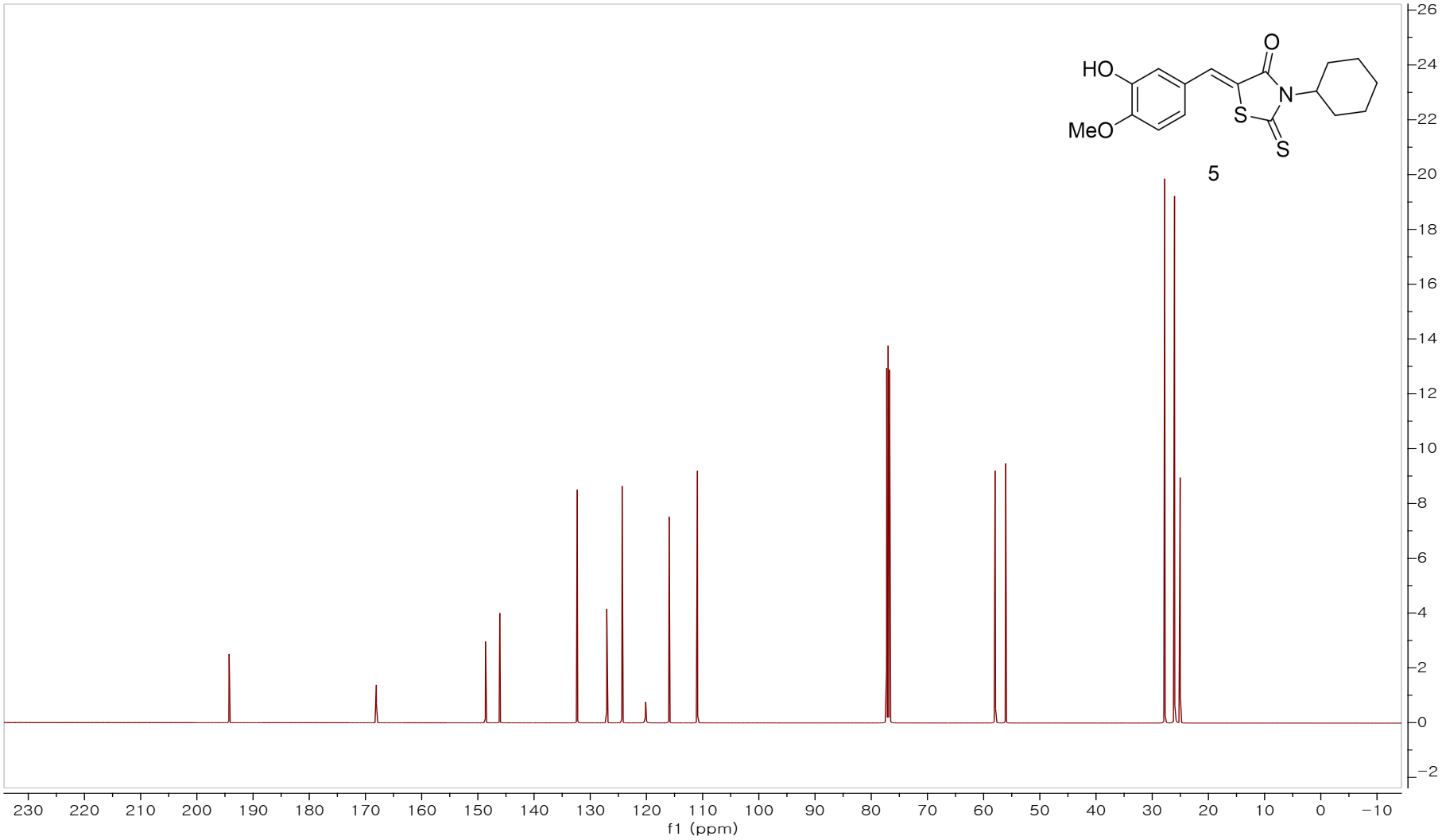


Figure S10. ^{1}H NMR spectrum of compound **5**



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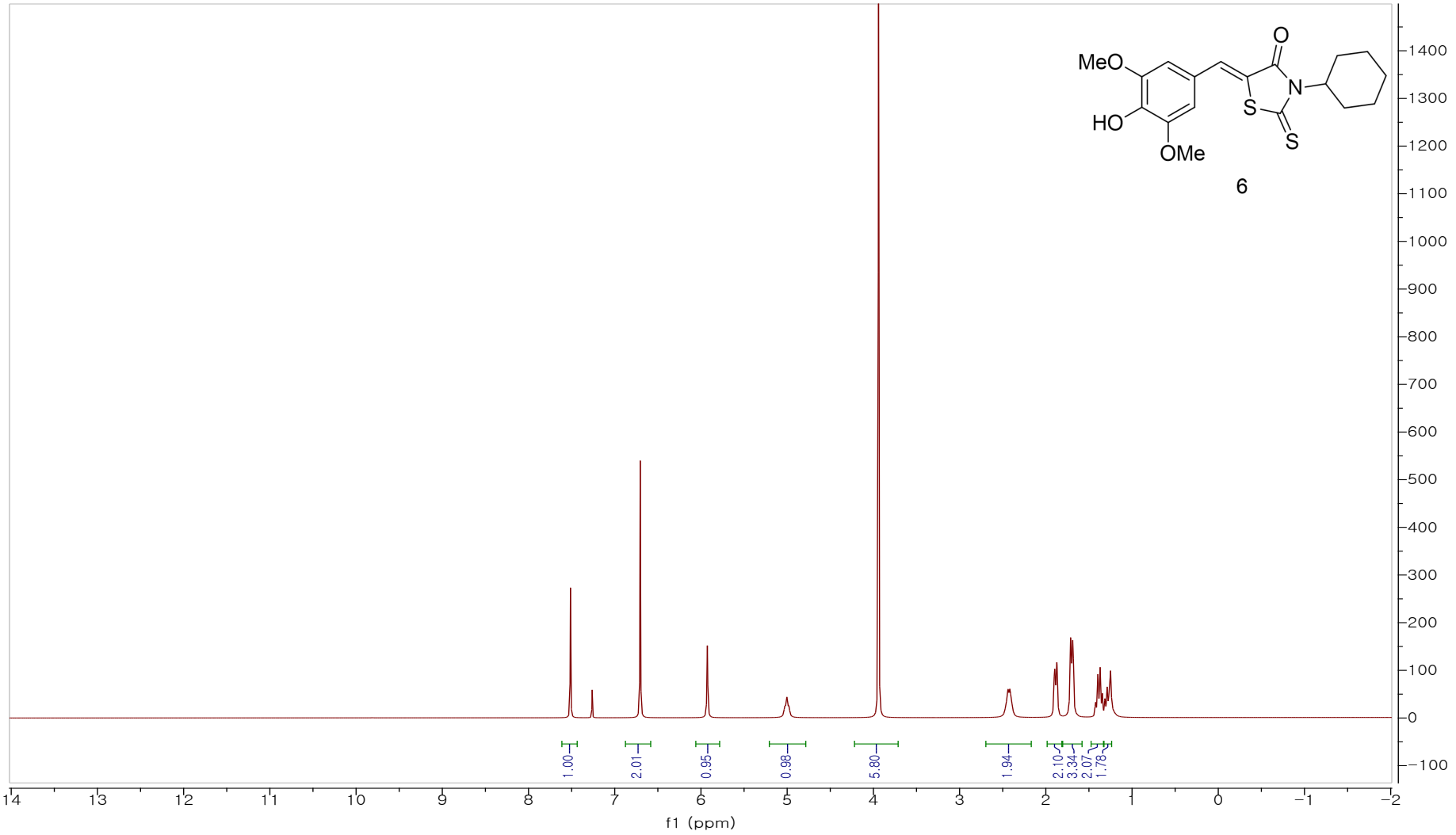

Figure S12. ^{1}H NMR spectrum of compound **6**

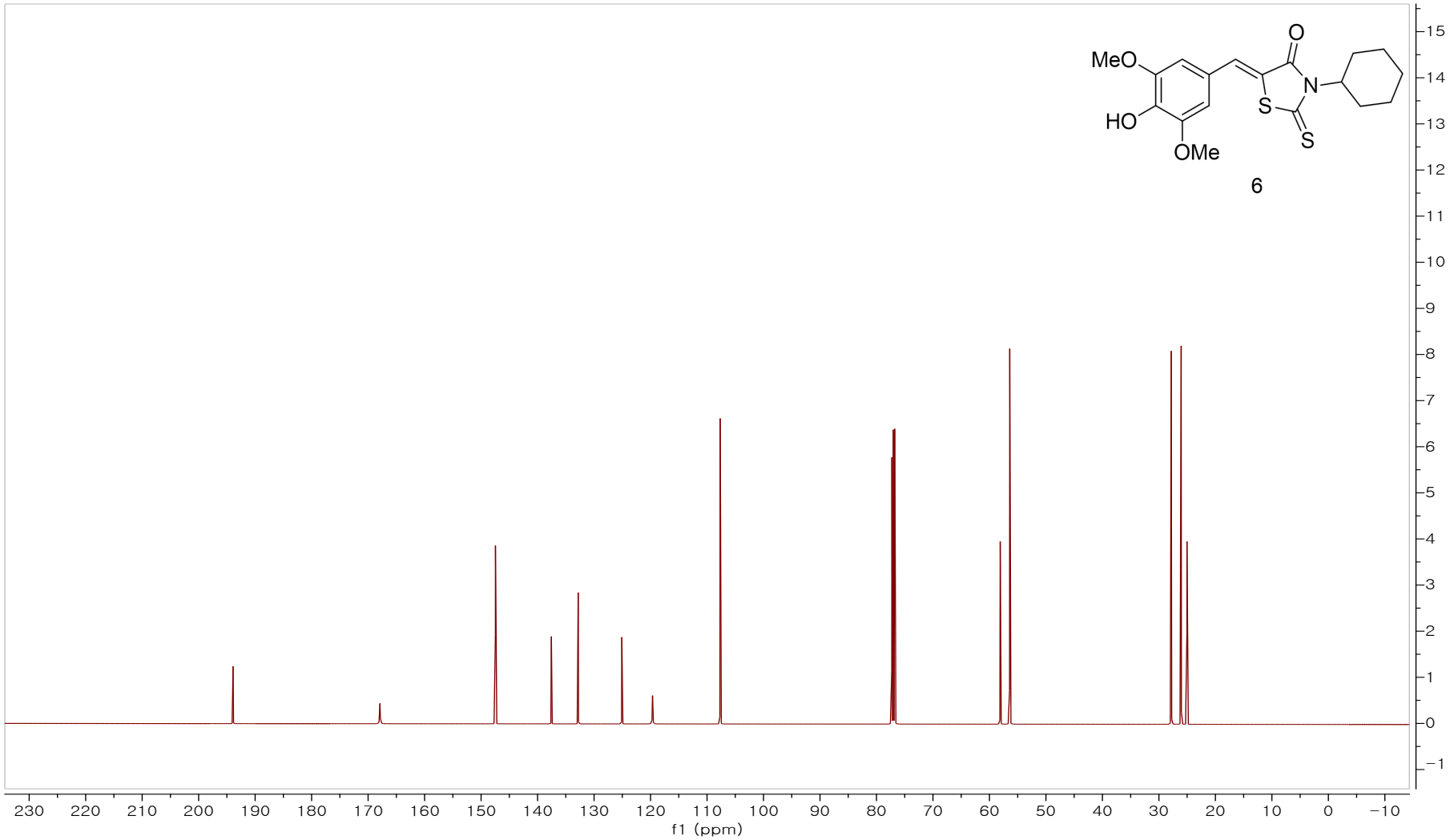

Figure S13. ^{13}C NMR spectrum of compound **6**

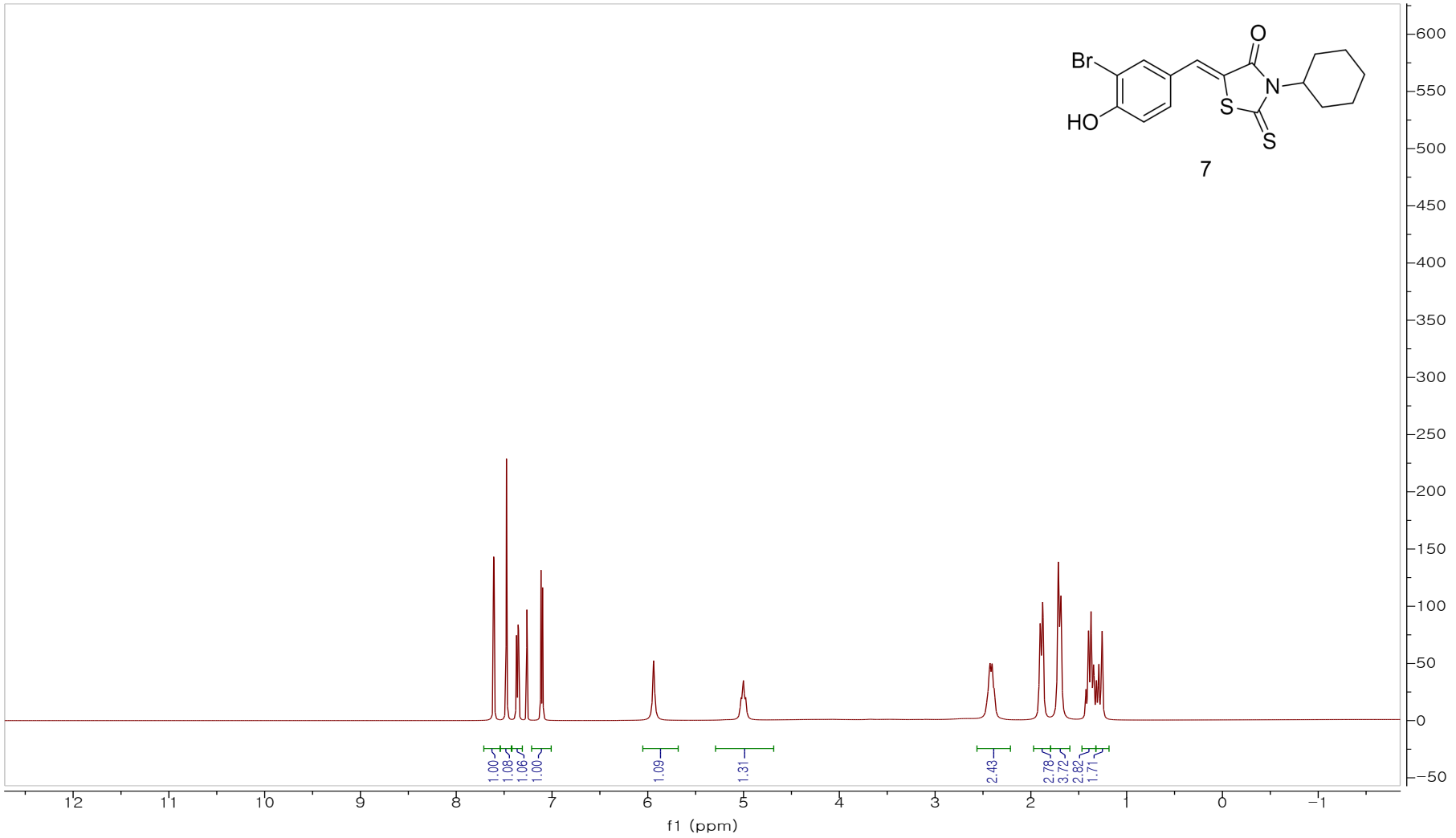

Figure S14. ^{1}H NMR spectrum of compound **7**

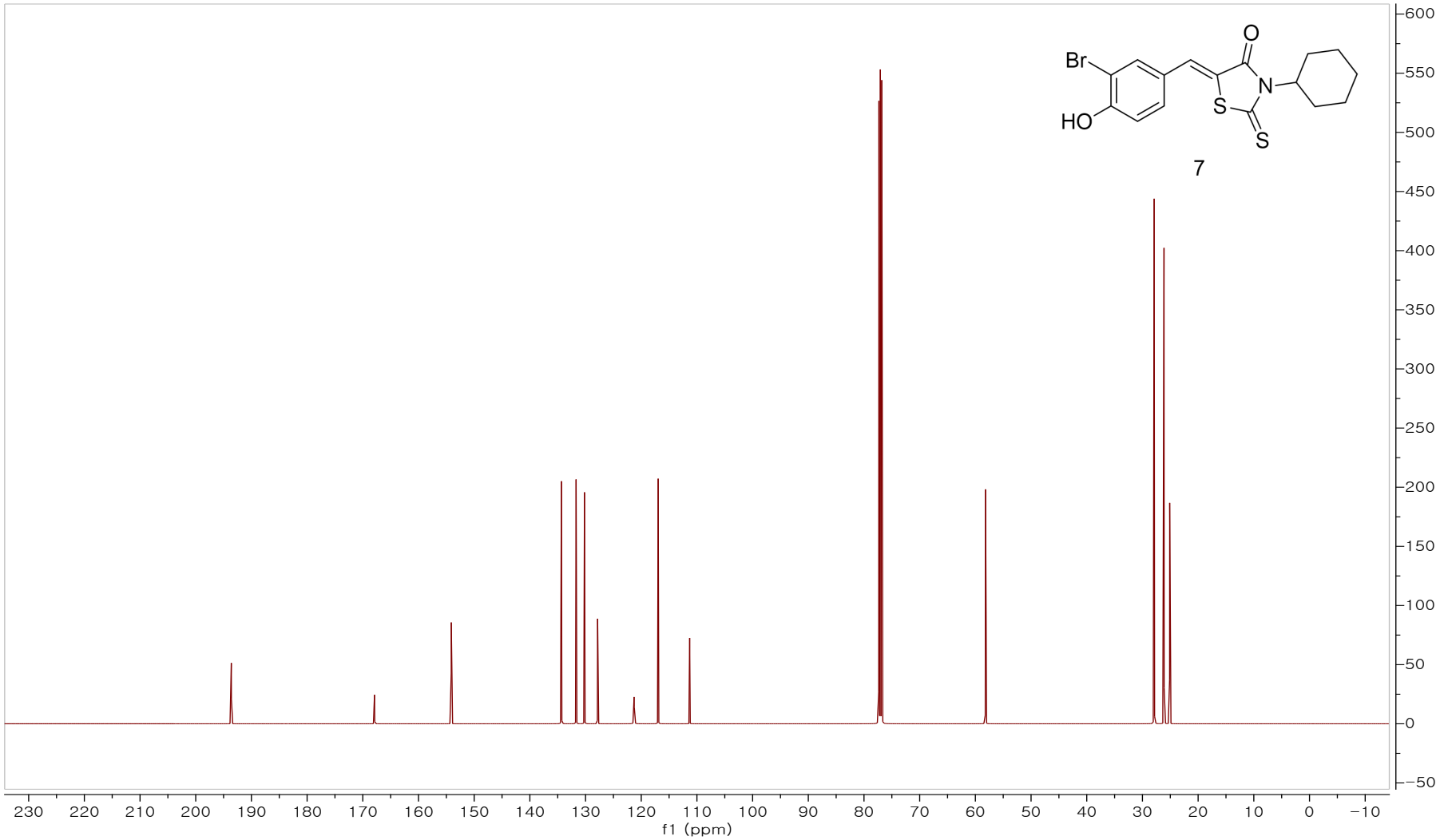

Figure S15. ^{13}C NMR spectrum of compound **7**

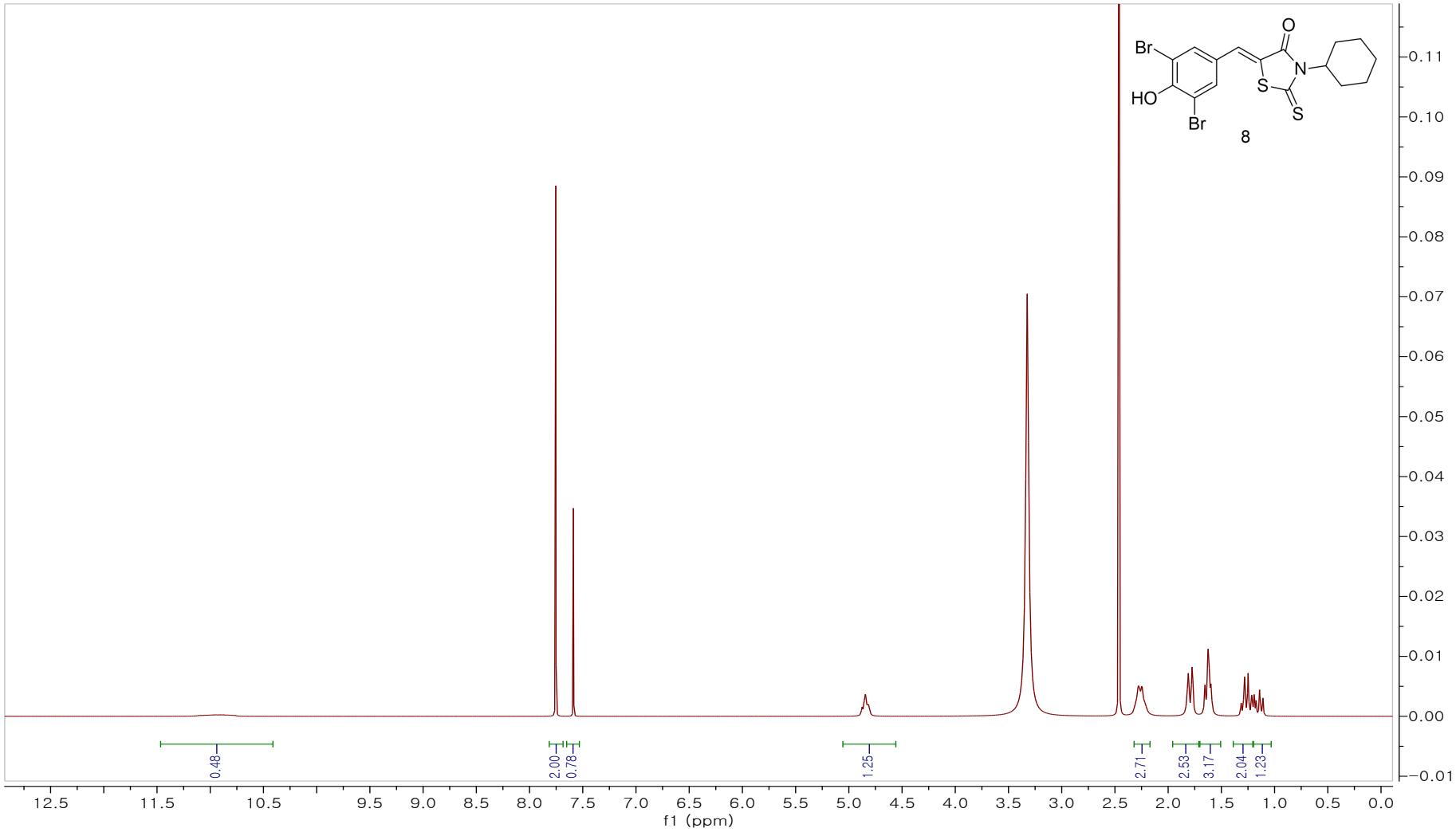

Figure S16. ^{1}H NMR spectrum of compound **8**

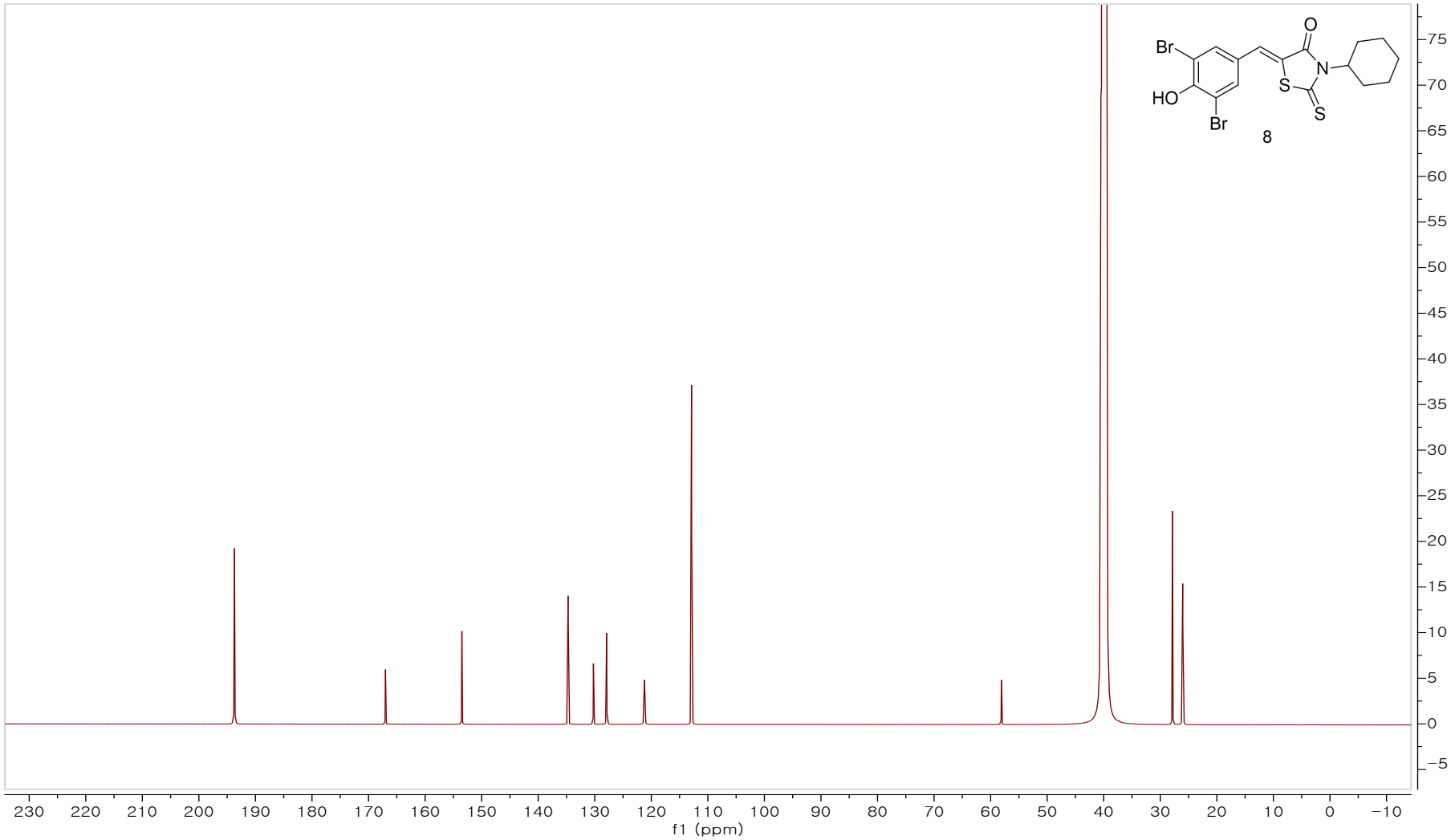

Figure S17. ^{13}C NMR spectrum of compound **8**

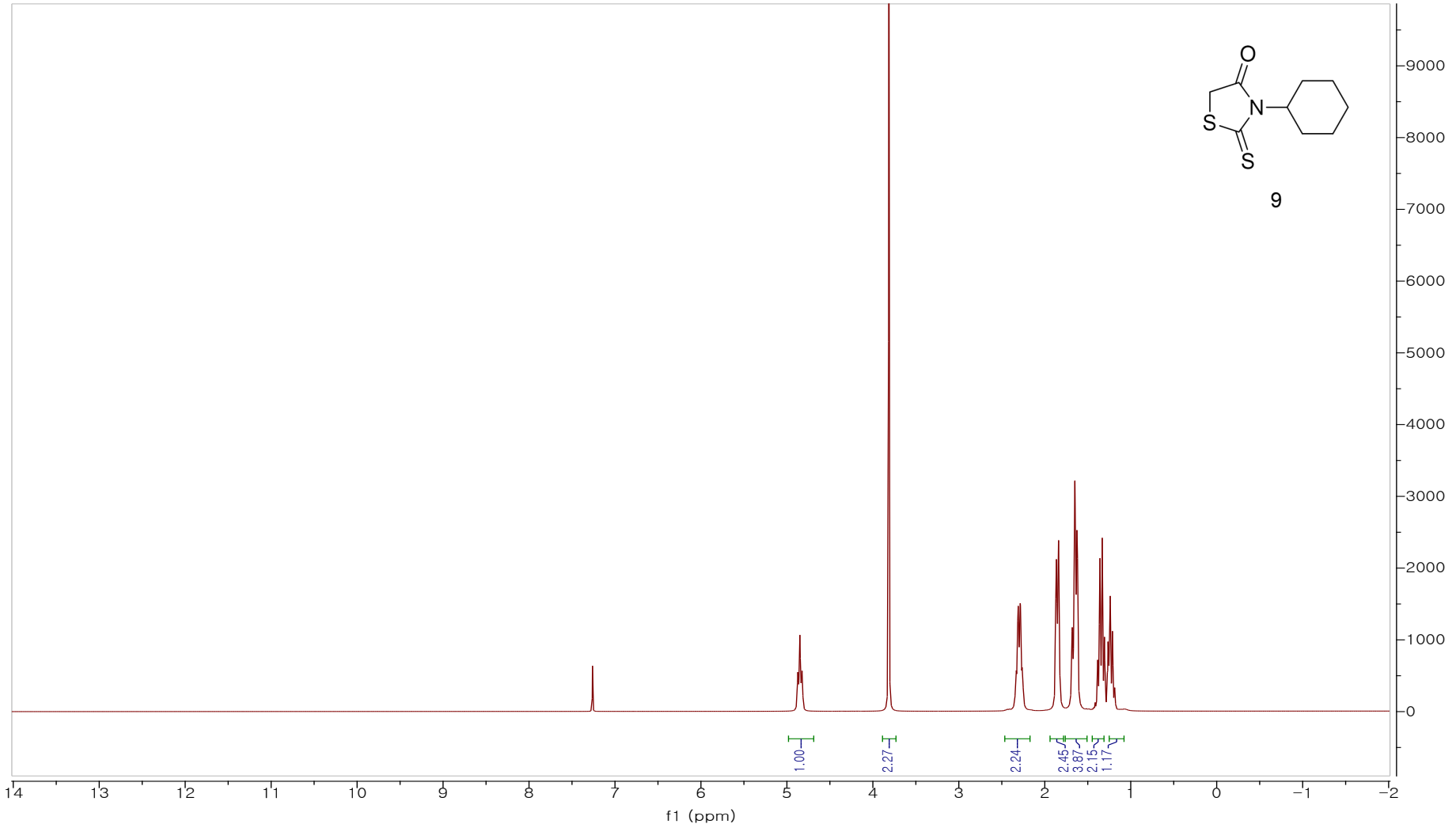

Figure S18. ^{1}H NMR spectrum of compound **9**

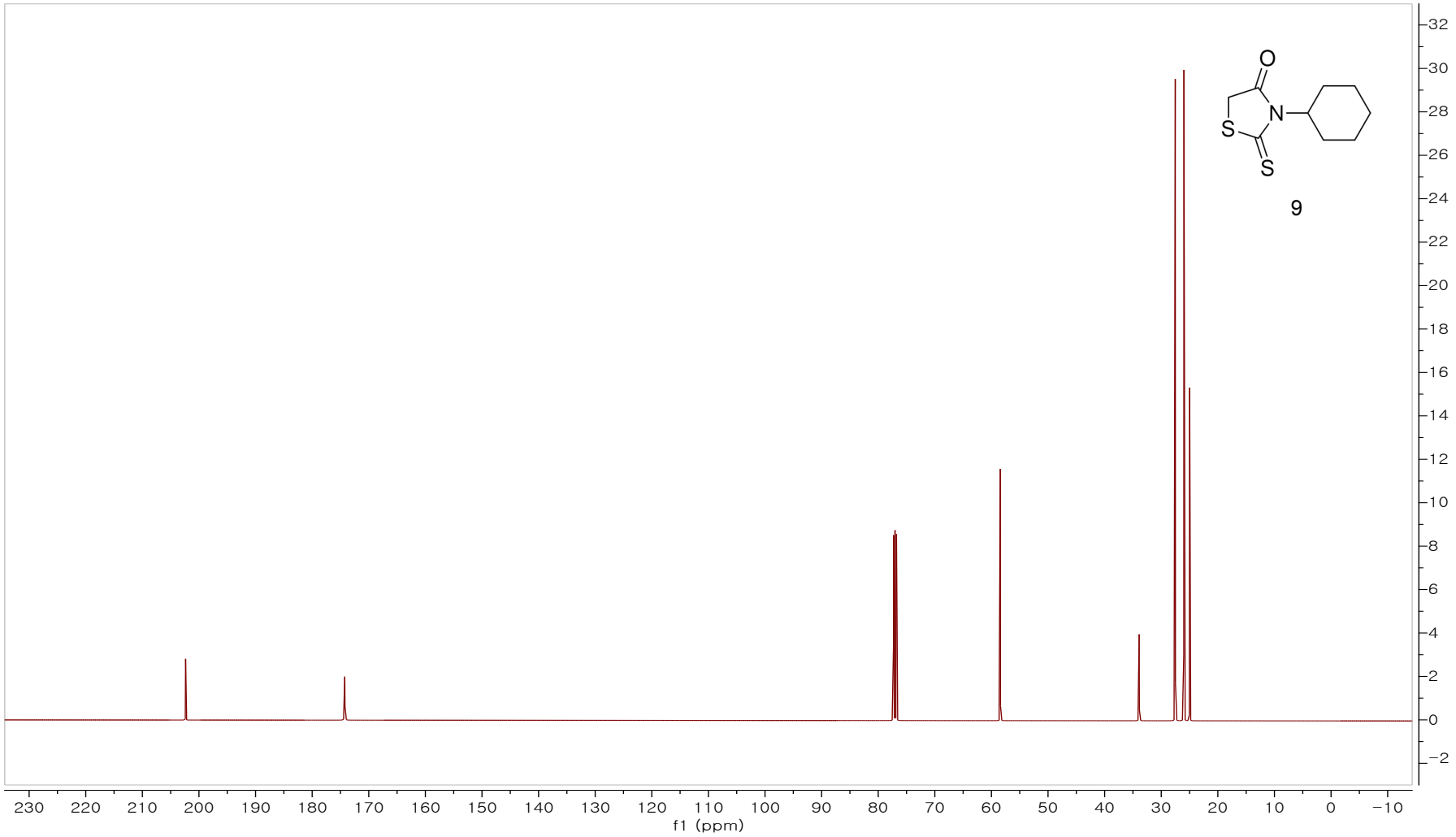

Figure S19. ^{13}C NMR spectrum of compound **9**

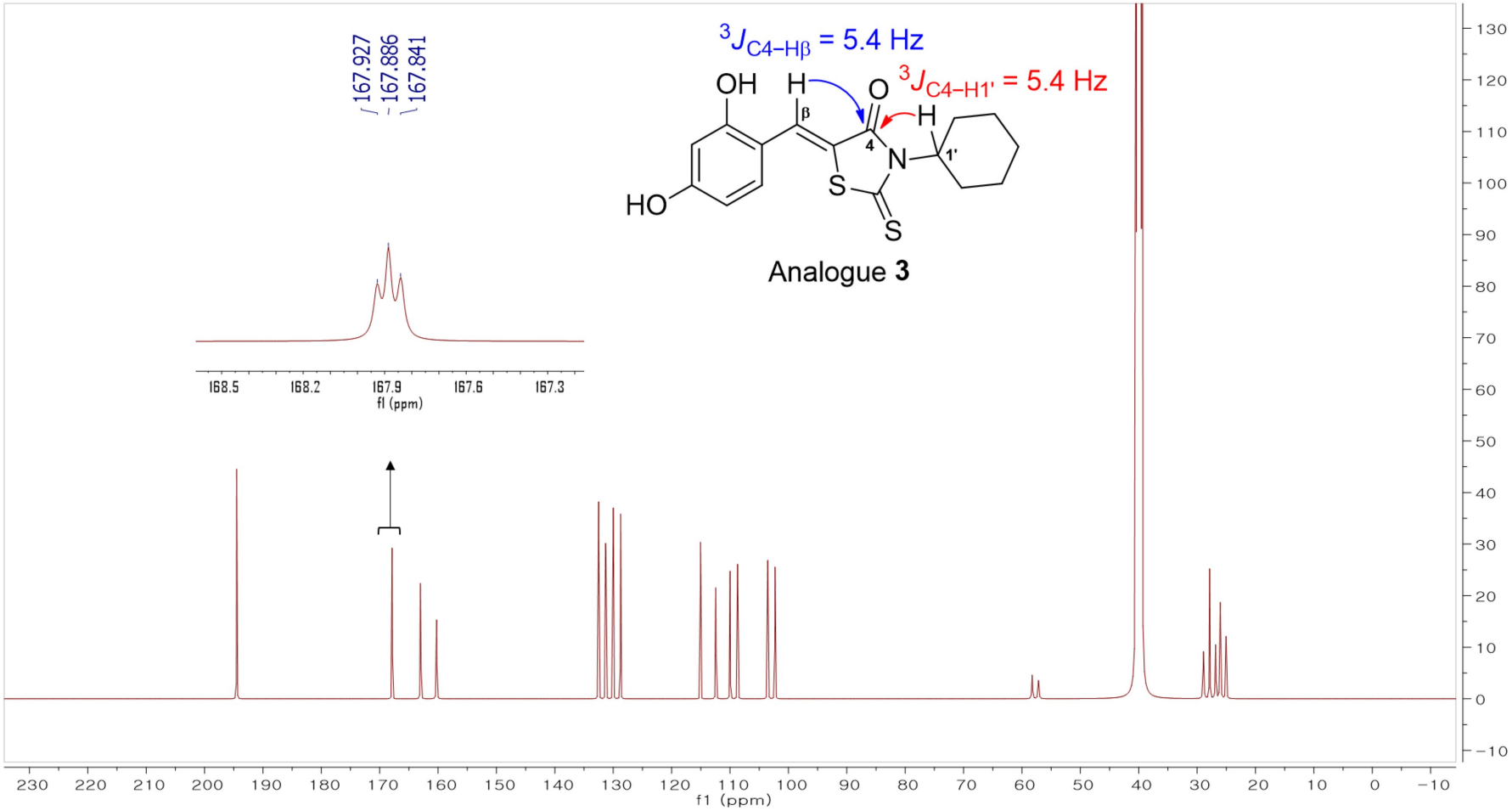

Figure S20. Proton-coupled ^{13}C NMR spectrum of analogue **3**