

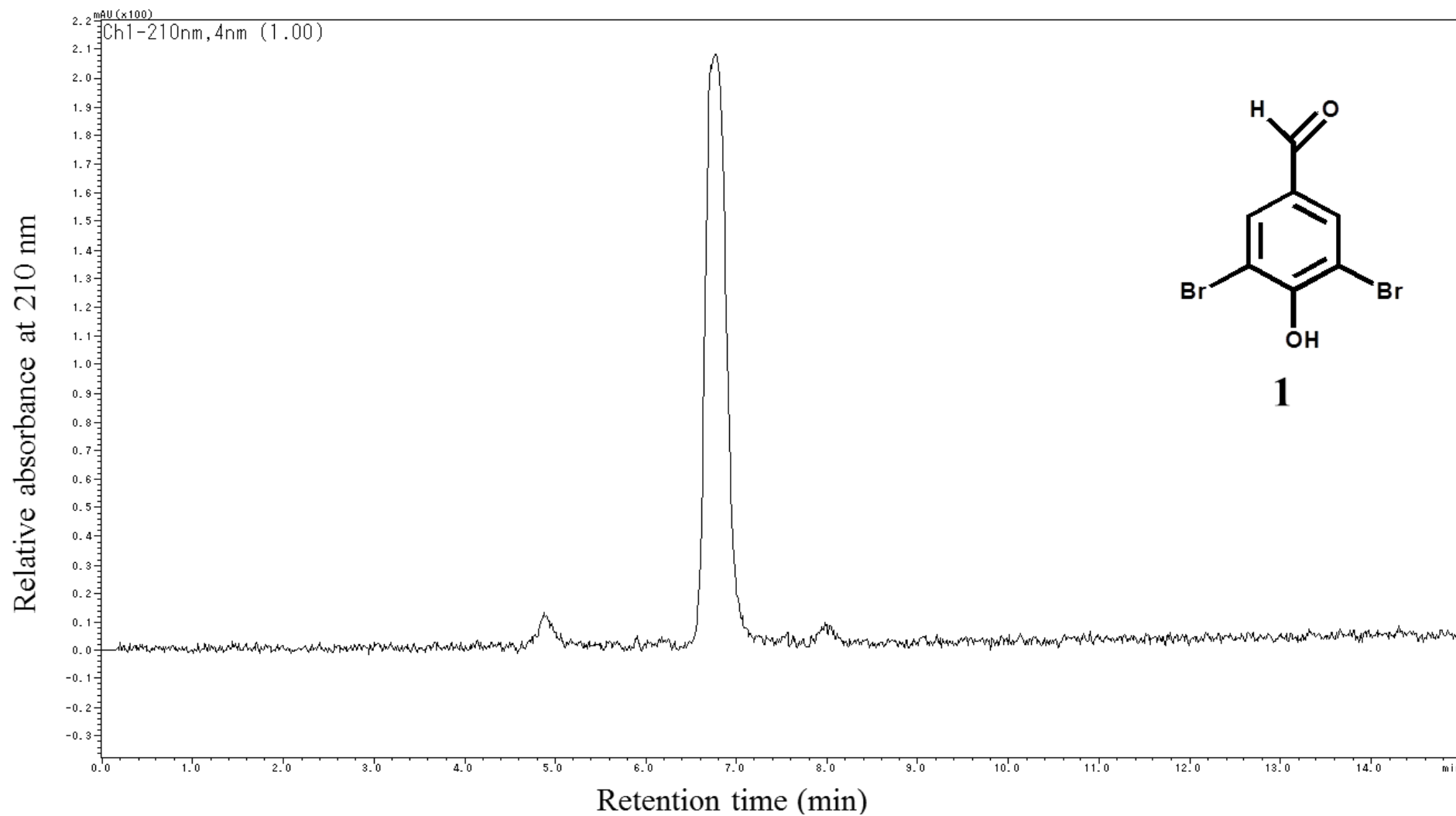


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Supplementary Materials

Figure S1. HPLC chromatogram of 1	2
Figure S2. ^1H -NMR spectrum of 1 in acetone- d_6 at 500 MHz.....	3
Figure S3. ^{13}C -NMR spectrum of 1 in acetone- d_6 at 125 MHz.....	4
Figure S4. HPLC chromatogram of 2	5
Figure S5. ^1H -NMR spectrum of 2 in acetone- d_6 at 500 MHz.....	6
Figure S6. ^{13}C -NMR spectrum of 2 in acetone- d_6 at 125 MHz.....	7
Figure S7. HPLC chromatogram of 3	8
Figure S8. ^1H -NMR spectrum of 3 in acetone- d_6 at 500 MHz.....	9
Figure S9. ^{13}C -NMR spectrum of 3 in acetone- d_6 at 125 MHz.....	10
Figure S10. HPLC chromatogram of 4	11
Figure S11. ^1H -NMR spectrum of 4 in acetone- d_6 at 500 MHz.....	12
Figure S12. ^{13}C -NMR spectrum of 4 in acetone- d_6 at 125 MHz.....	13
Figure S13. HPLC chromatogram of 5	14
Figure S14. ^1H -NMR spectrum of 5 in acetone- d_6 at 500 MHz.....	15
Figure S15. ^{13}C -NMR spectrum of 5 in acetone- d_6 at 125 MHz.....	16

Figure S1. HPLC chromatogram of compound **1**.

HPLC conditions: Column: ULTRON VX-SIL RP-18 (ϕ 4.6 $\times$ 250 mm); Mobile phase: *n*-Hexane/EtOH/AcOH = 10:1:0.05 (v/v/v); Flow rate: 0.8 mL/min; Detection: UV 210 nm.

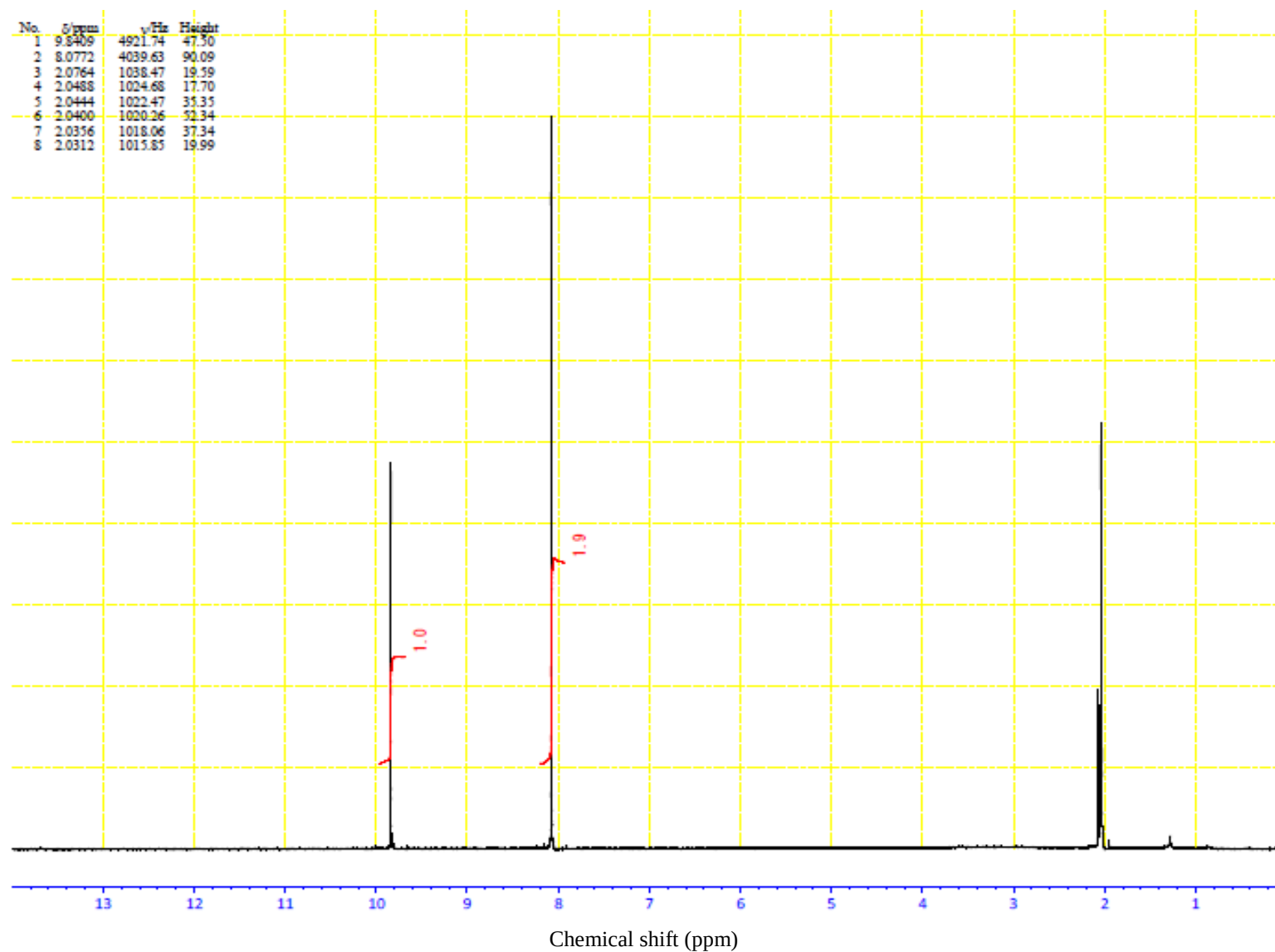
Figure S2. ^1H -NMR spectrum of compound **1** in acetone- d_6 at 500 MHz.

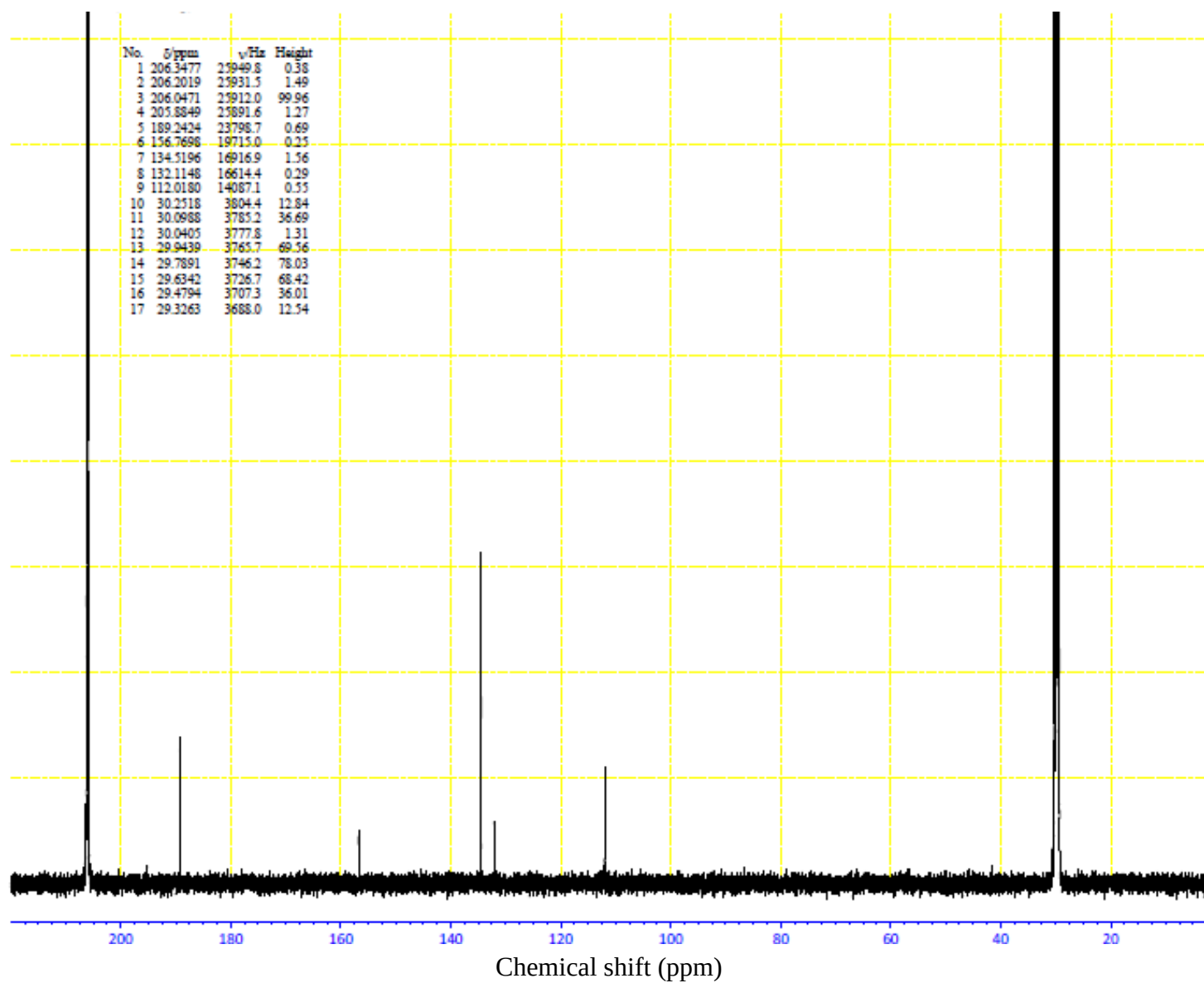
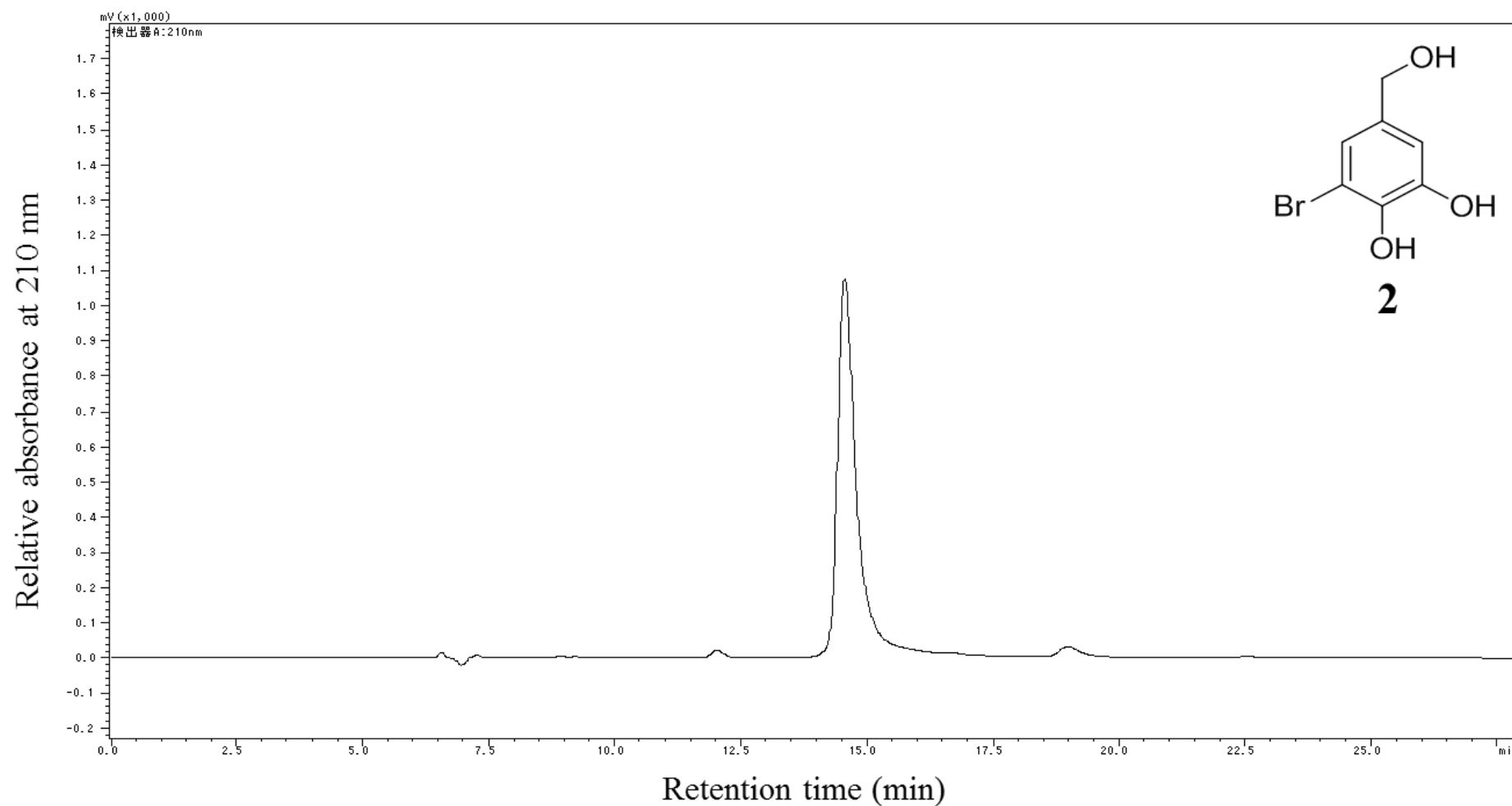
Figure S3. ^{13}C -NMR spectrum of compound **1** in acetone- d_6 at 125 MHz.

Figure S4. HPLC chromatogram of compound 2.

HPLC conditions: Column: Mightysil RP-18 250–4.6 (5 μ m); Mobile phase: 20% aqueous CH₃CN; Flow rate: 0.5 mL/min; Detection: UV 210 nm.

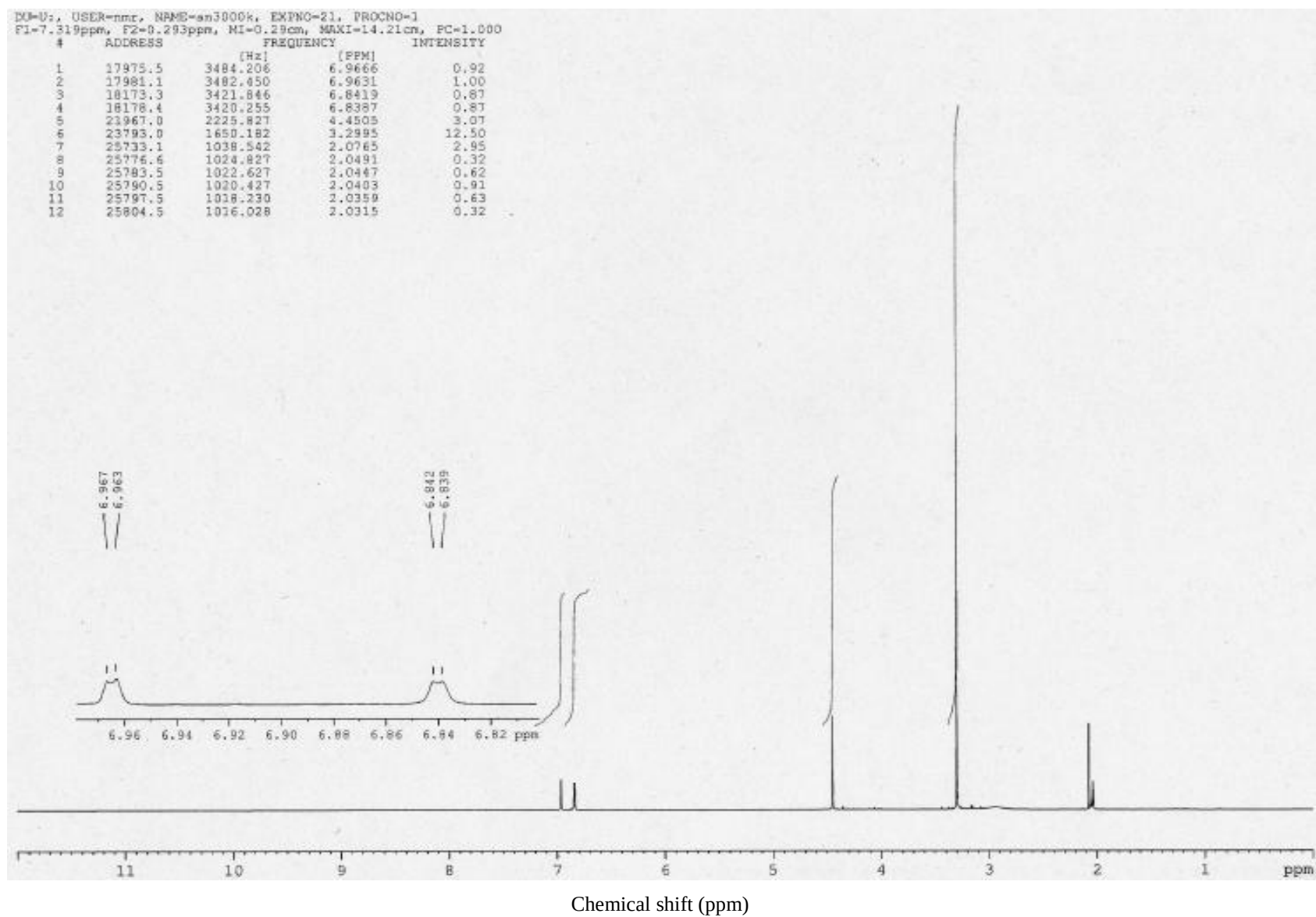
Figure S5. ^1H -NMR spectrum of **2** in acetone- d_6 at 500 MHz.

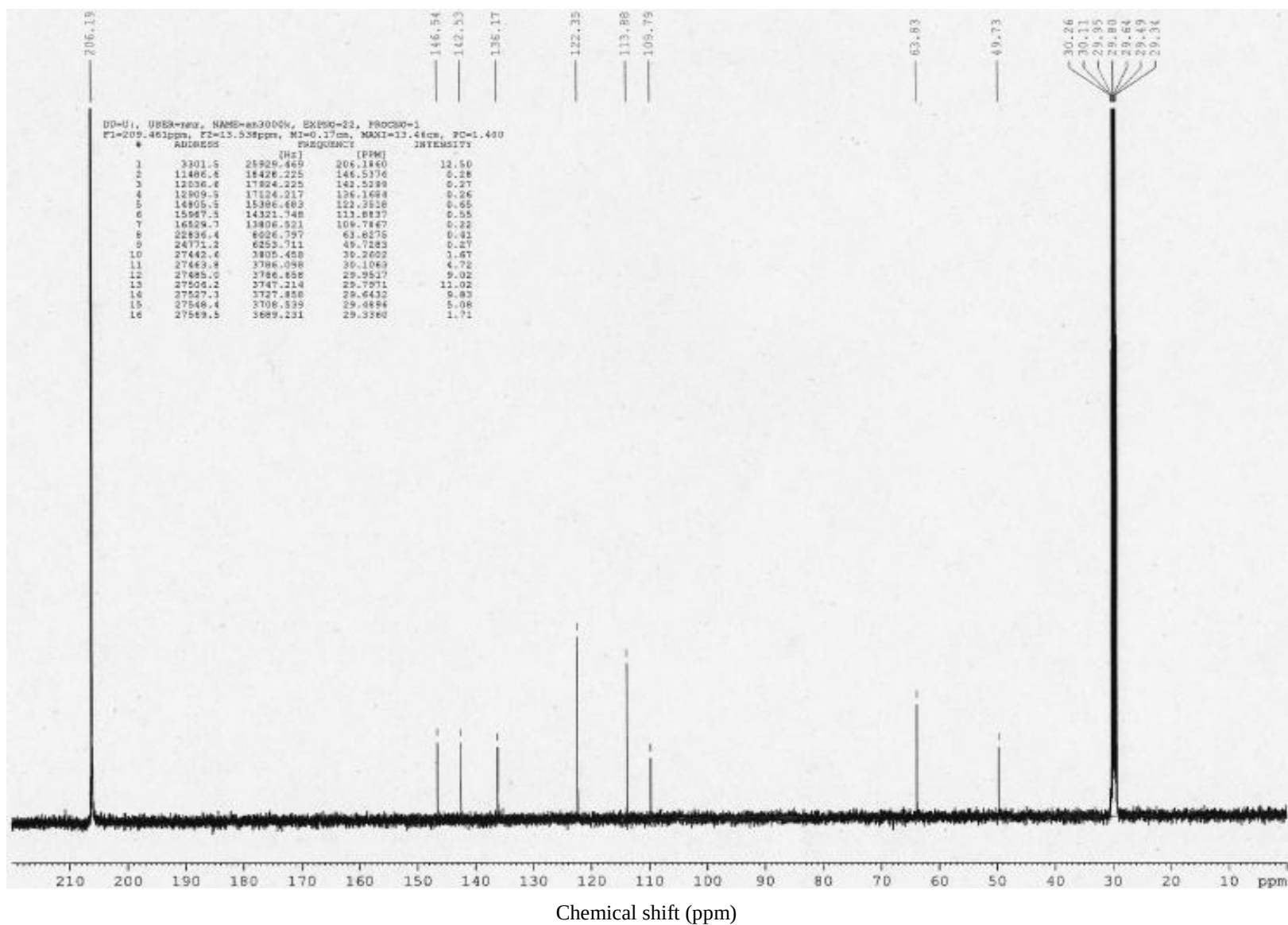
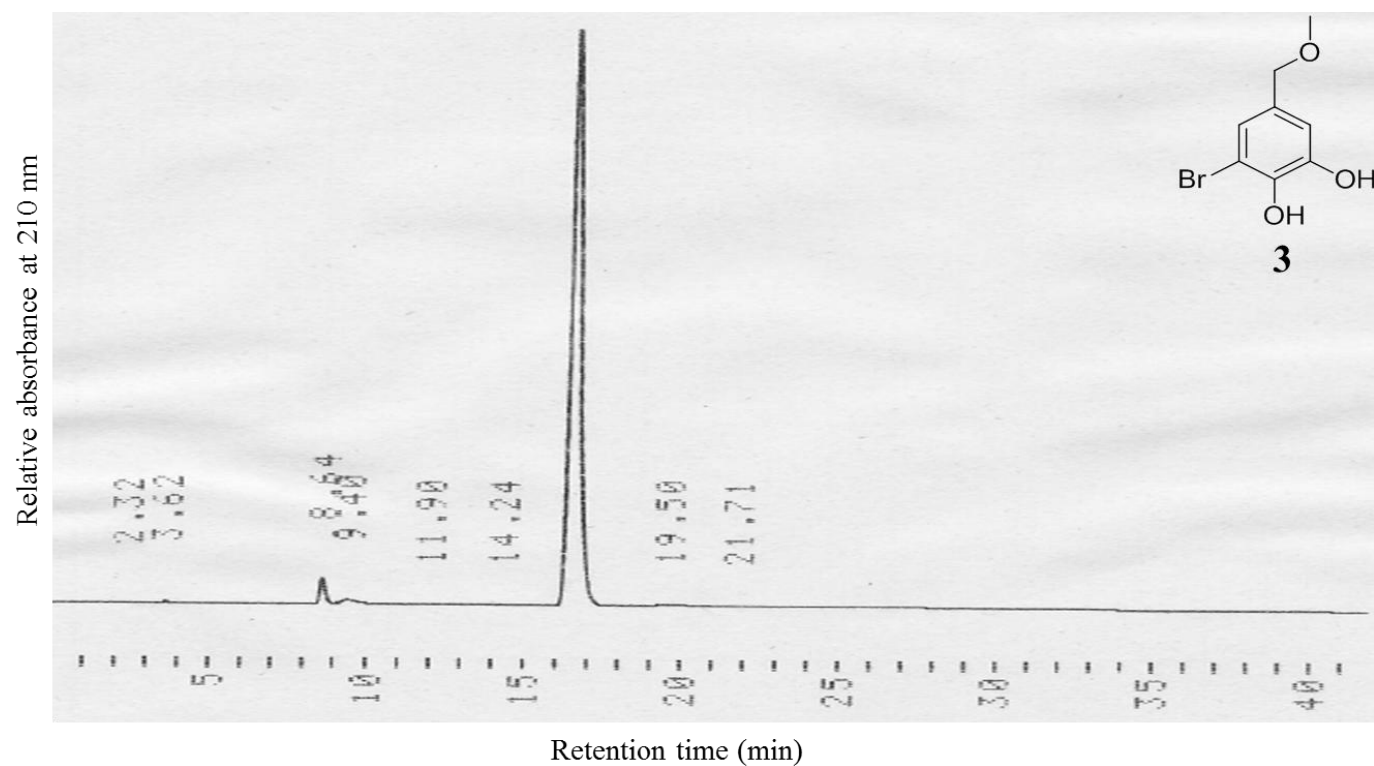
Figure S6. ^{13}C -NMR spectrum of **2** in acetone- d_6 at 125 MHz.

Figure S7. HPLC chromatogram of **3**.

HPLC conditions: Column: Mightysil RP-18 250–4.6 (5 μ m); Mobile phase: 40% aqueous MeOH; Flow rate: 0.8 mL/min; Detection: UV 210 nm.

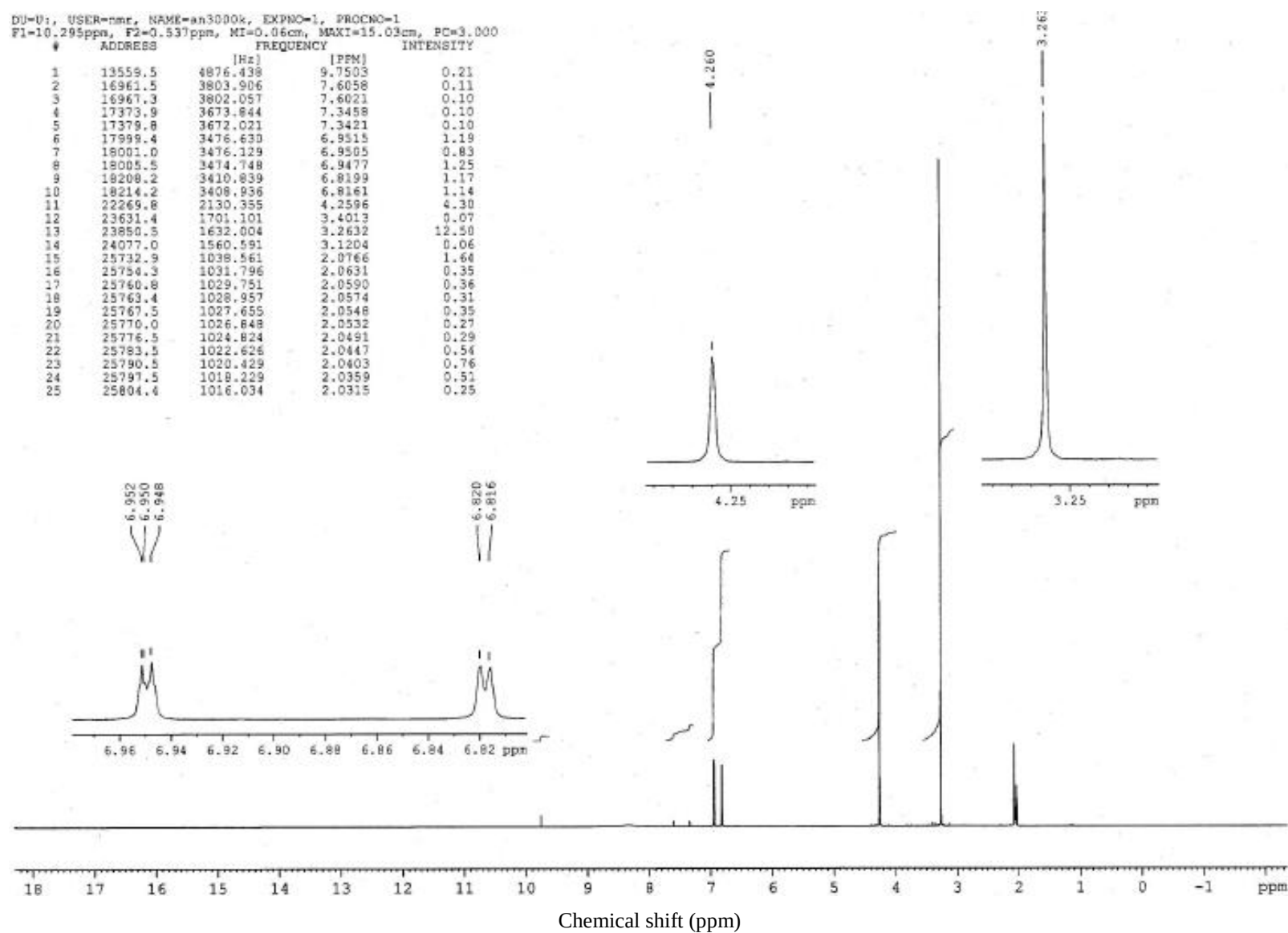
Figure S8. ^1H -NMR spectrum of **3** in acetone- d_6 at 500 MHz.

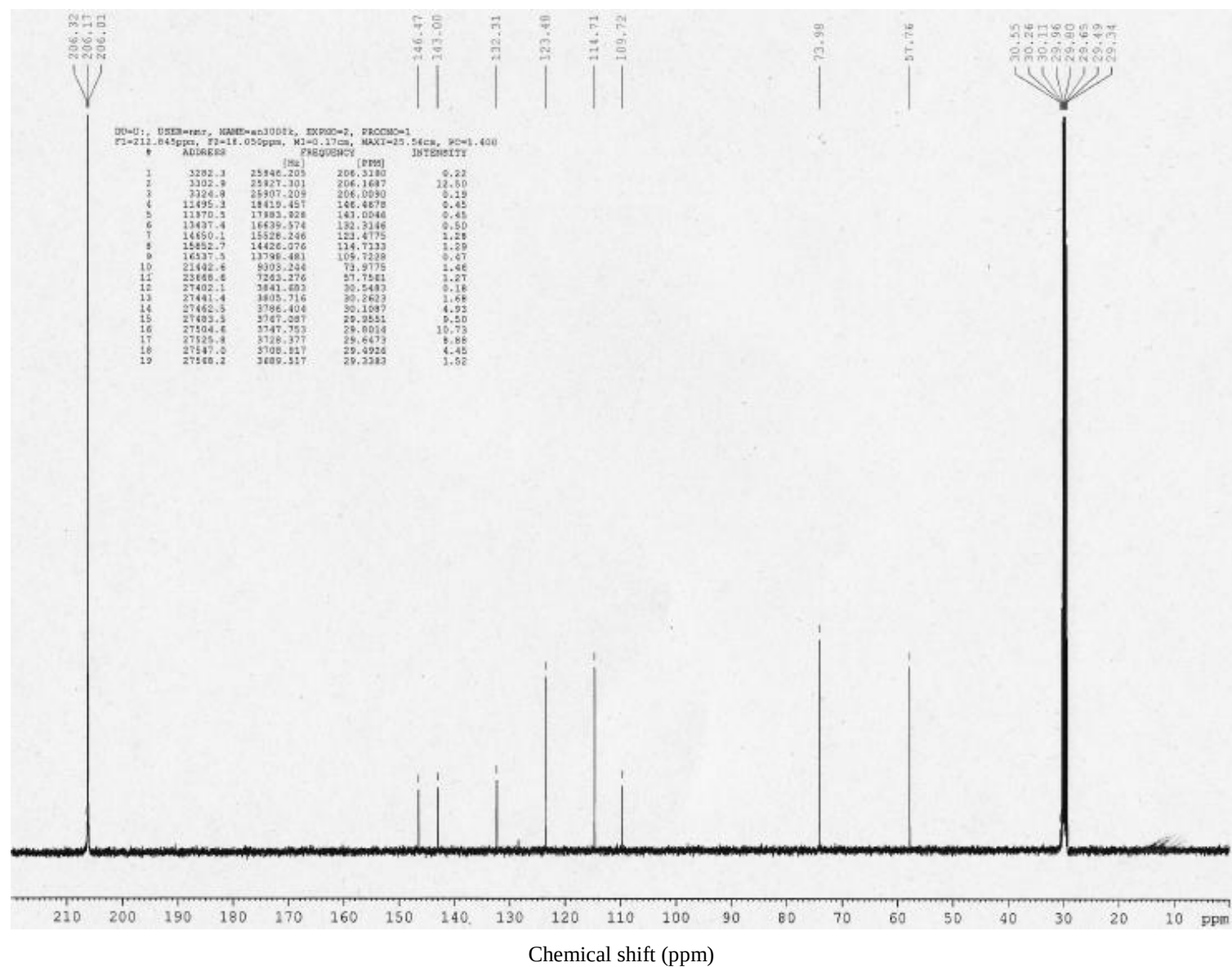
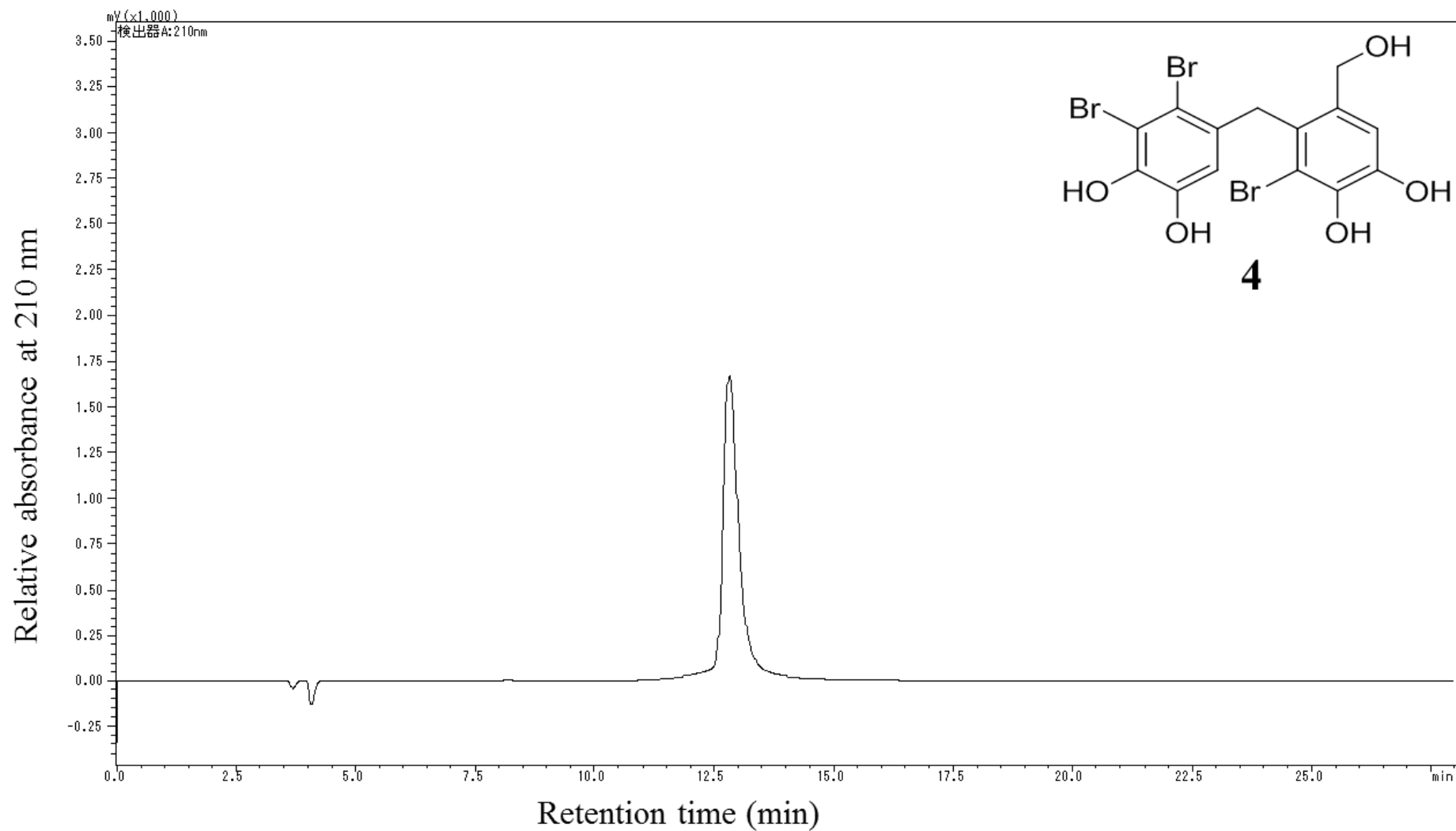
Figure S9. ^{13}C -NMR spectrum of **3** in acetone- d_6 at 125 MHz.

Figure S10. HPLC chromatogram of **4**.

HPLC conditions: Column: Mightysil RP-18 250–4.6 (5 μ m); Mobile phase: 60% aqueous MeOH + 0.1% AcOH; Flow rate: 0.8 mL/min; Detection: UV 210 nm.

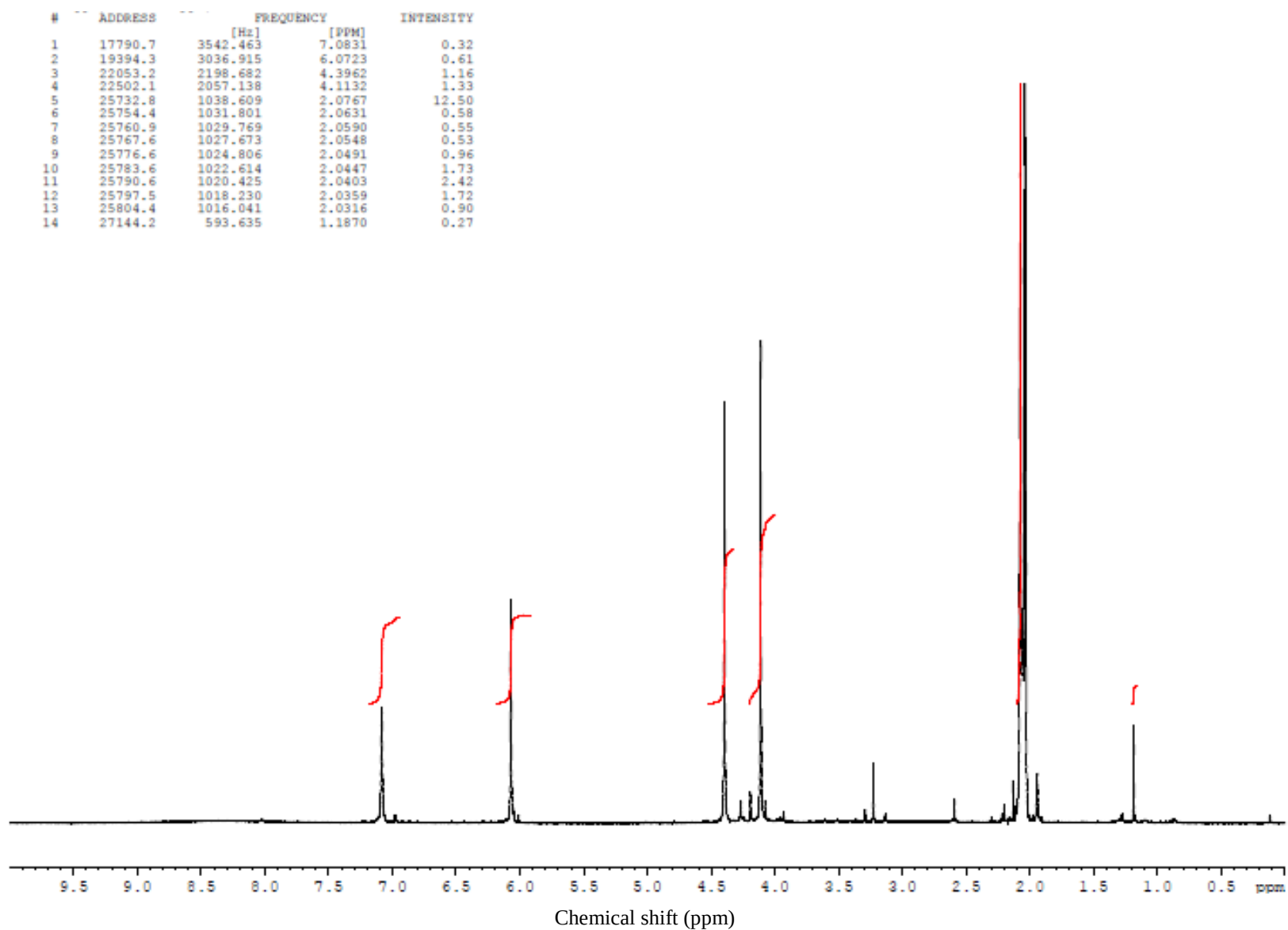
Figure S11. ^1H -NMR spectrum of **4** in acetone- d_6 at 500 MHz.

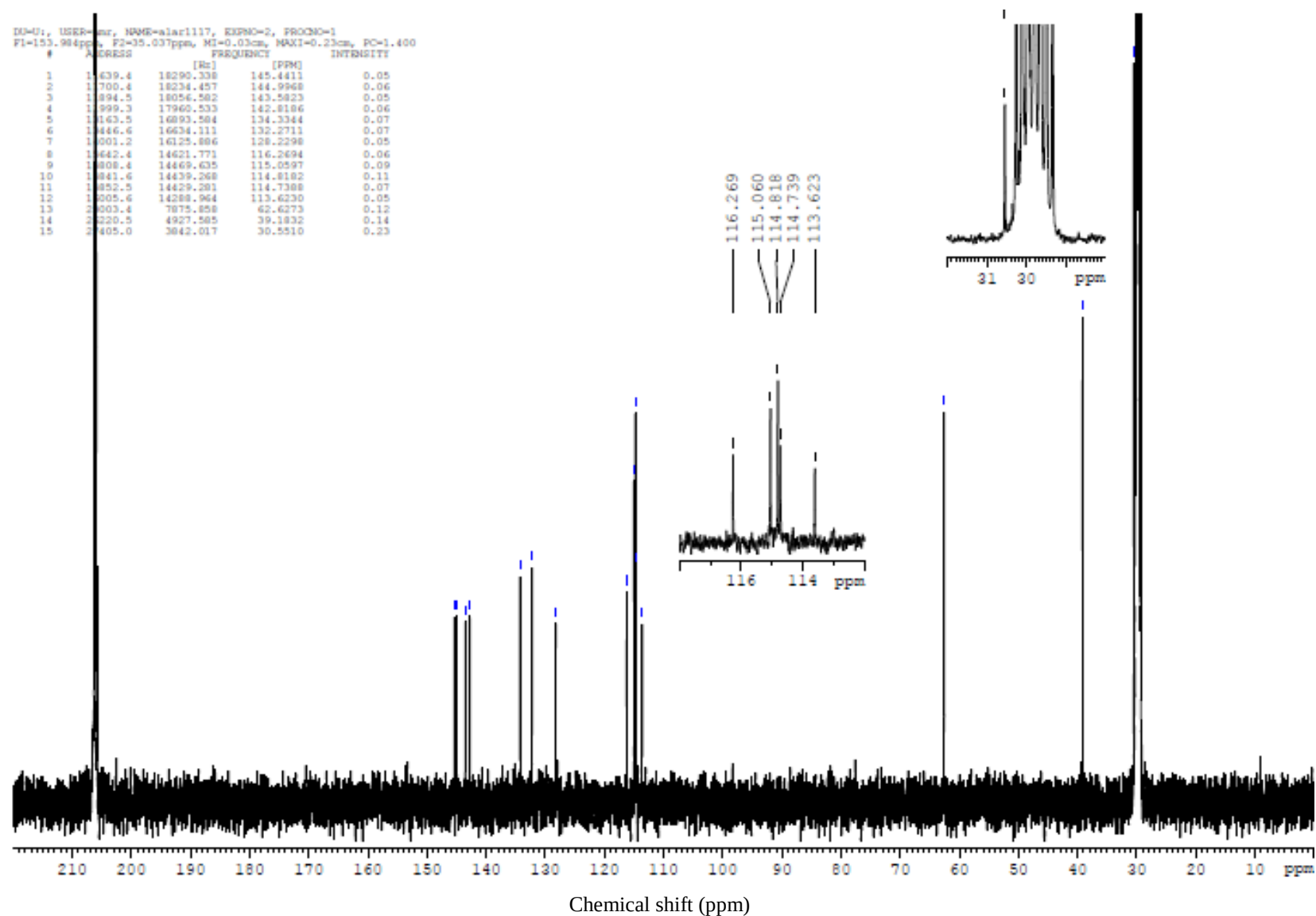
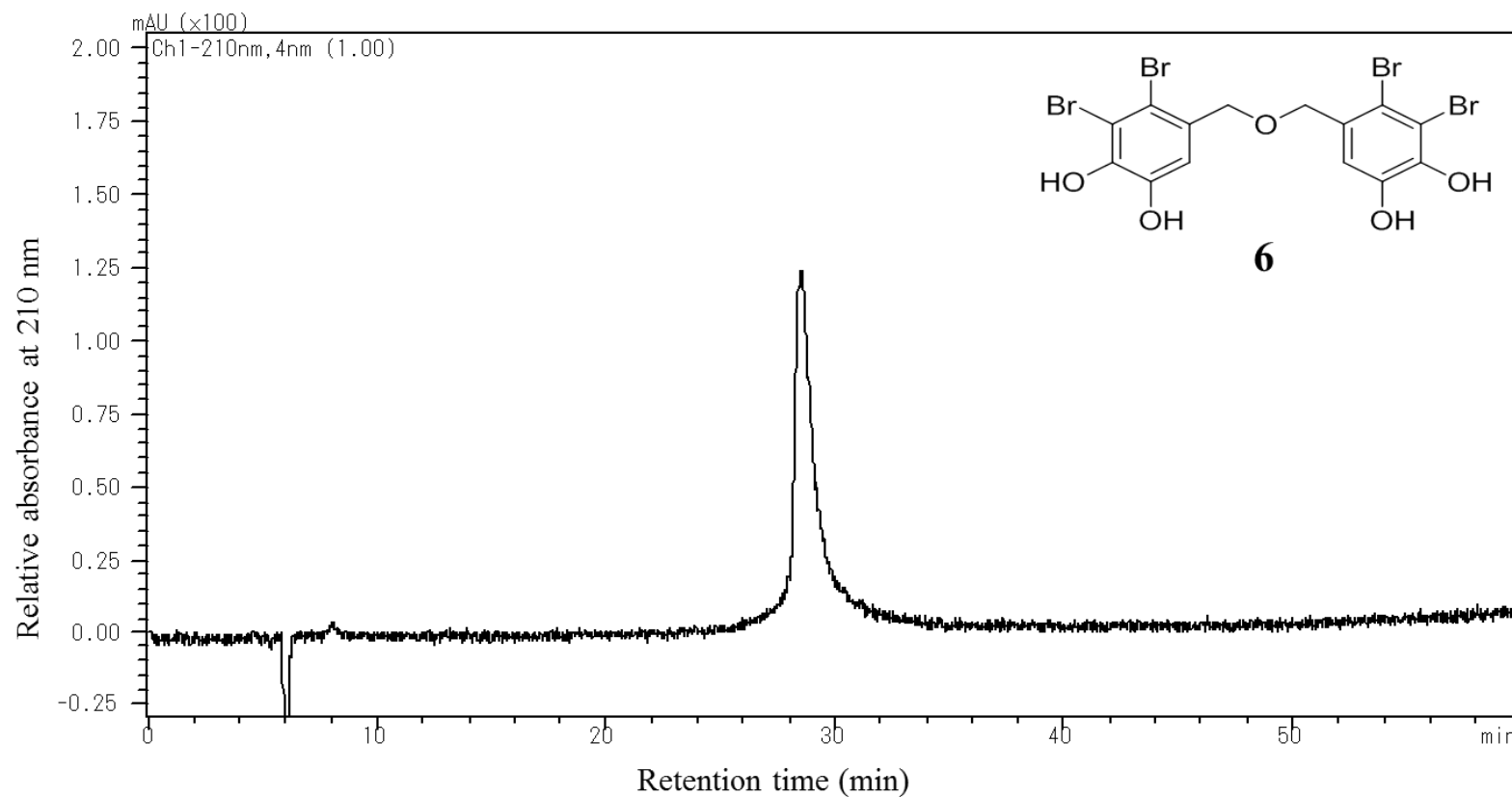
Figure S12. ^{13}C -NMR spectrum of **4** in acetone- d_6 at 125 MHz.

Figure S13. HPLC chromatogram of 5.

HPLC conditions: Column: Mightysil RP-18 250–4.6 (5 μ m); Mobile phase: 50% aqueous CH₃CN + 0.1% AcOH; Flow rate: 0.5 mL/min; Detection: UV 210 nm.

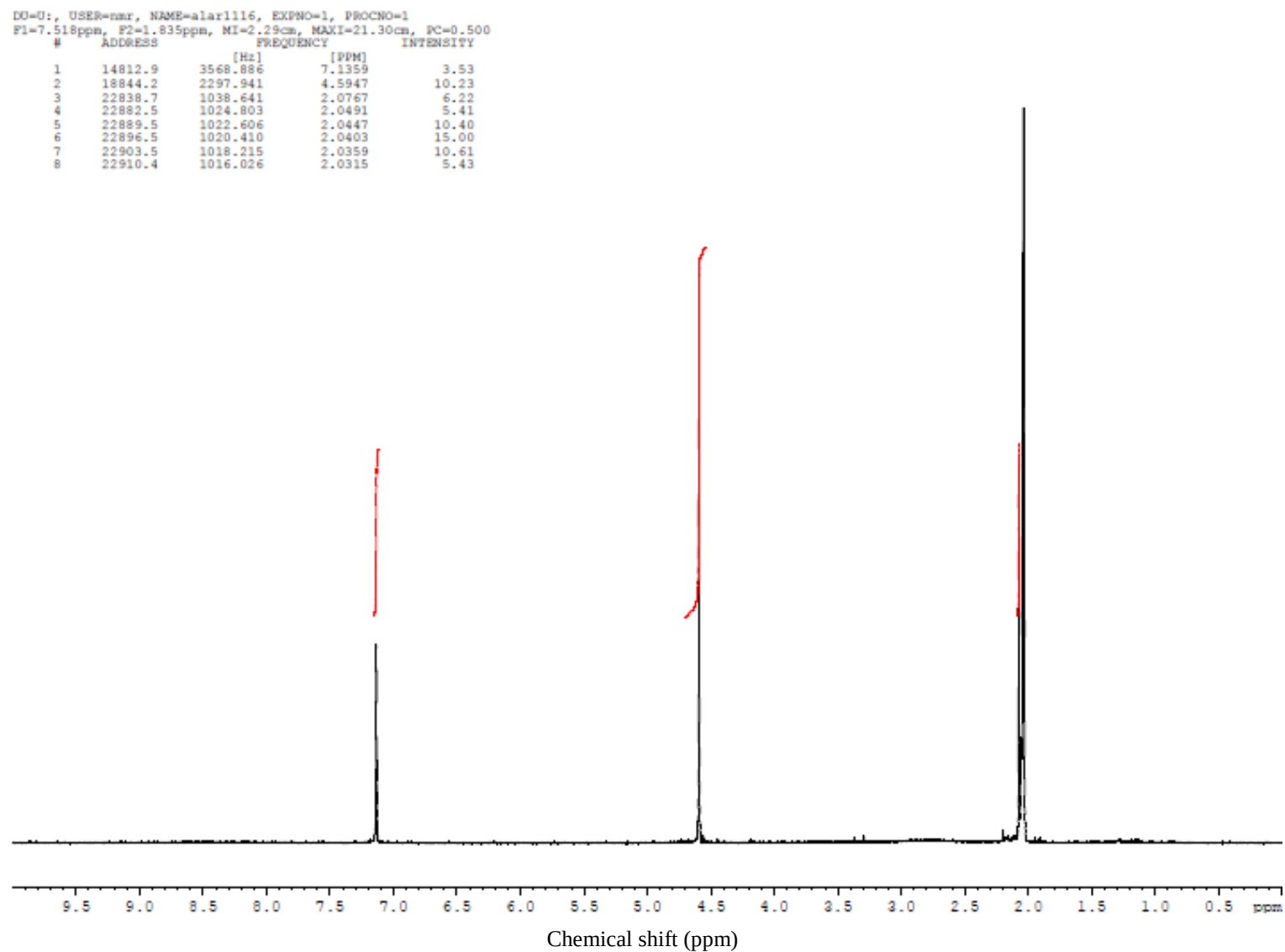
Figure S14. ^1H -NMR spectrum of **5** in acetone- d_6 at 500 MHz.

Figure S15. ^{13}C -NMR spectrum of **5** in acetone- d_6 at 125 MHz.