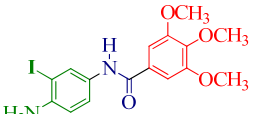
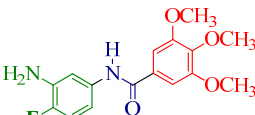
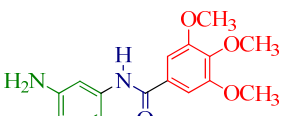
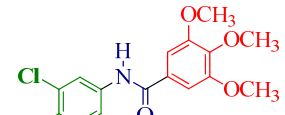
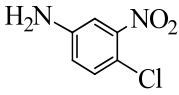
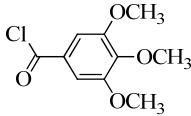
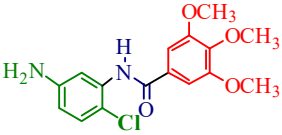
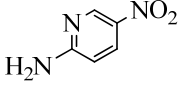
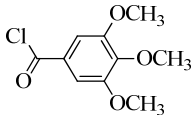
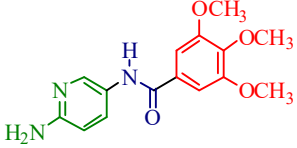
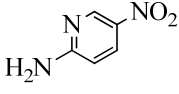
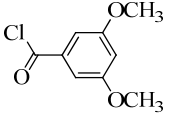
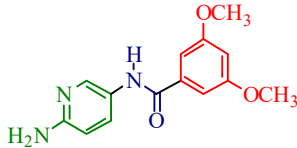
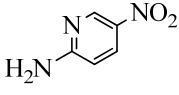
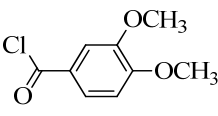
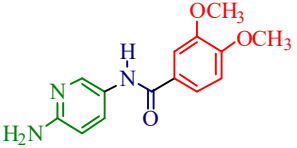
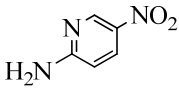
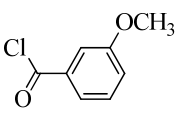
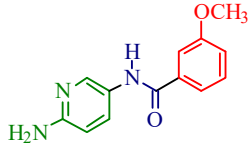
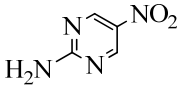
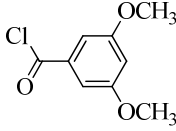
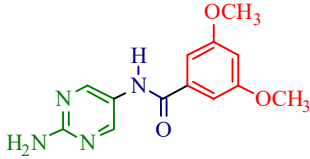
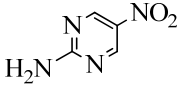
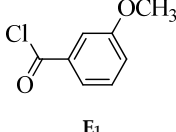
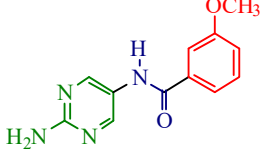
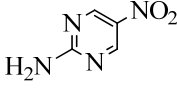
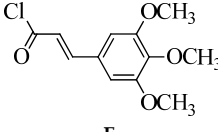
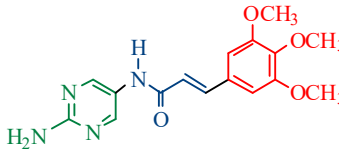
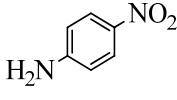
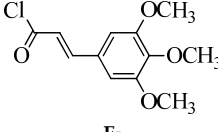
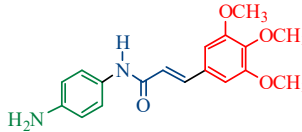
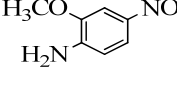
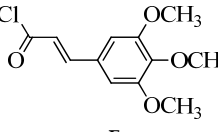
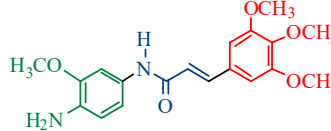
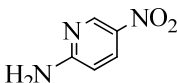
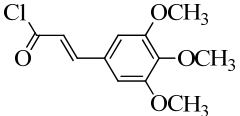
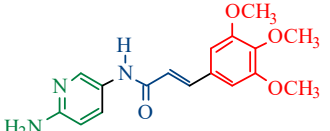
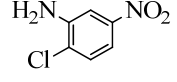
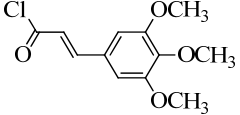
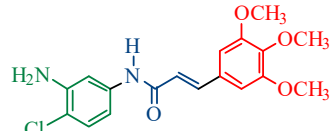
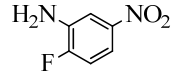
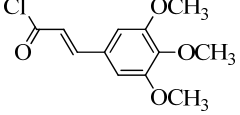
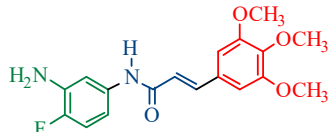
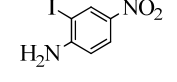
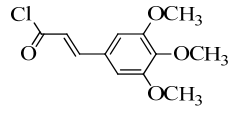
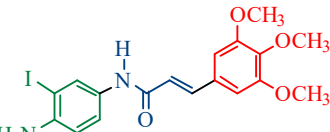


Supplementary materials Table S1. Analytical and spectral data of the synthesized compound.

No.	A	E	¹ H NMR	¹³ C NMR	Yield [%]	Exact Mass Formula
1	A ₁ 2-iodo-4-nitroaniline (0,43g)	E ₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3.85 (s, 3H, OCH ₃), 3.99 (s, 6H, 2OCH ₃), 6.88 (d, 1H, Ar-H), 7.20 (d, 1H, Ar-H), 7.45 (s, 2H, Ar-H), 8.05 (s, 1H, Ar-H)	54.32 (2OCH ₃), 59.11 (OCH ₃), 111.8 (CH), 114.63 (CH), 117.46 (2CH), 120.28 (C), 122.94 (C), 125.08 (CH), 158.00 (C), 158.75 (2C), 159.16 (2C), 164.88 (CONH)	48	 C ₁₆ H ₁₇ N ₂ O ₄ I [428.208]
2	A ₂ 2-fluoro-5-nitroaniline (0,26 g)	E ₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3.88 (s, 3H, OCH ₃), 3.99 (s, 6H, OCH ₃), 6.82 (d, 1H, Ar-H), 7.13 (s, 1H, Ar-H), 7.30 (s, 2H, Ar-H), 7.45 (d, 1H, Ar-H)	54.35 (2OCH ₃), 59.20 (OCH ₃), 110.66 (2CH), 117.66 (2CH), 125.09 (CH), 128.01 (C), 130.64 (C), 133.84 (C), 145.49 (C), 159.38 (C), 159.75 (2C), 165.07 (CONH)	47	 C ₁₆ H ₁₇ N ₂ O ₄ F [321.4]
3	A ₃ 4-fluoro-3-nitroaniline (0,26 g)	E ₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3.88 (s, 3H, OCH ₃), 3.95 (s, 6H, 2OCH ₃), 6.72 (s, 1H, Ar-H), 6.88 (d, 1H, Ar-H), 7.22 (d, 1H, Ar-H), 7.45 (s, 2H, Ar-H)	54.36 (2OCH ₃), 59.13 (OCH ₃), 110.86 (2CH), 116.45 (2CH), 117.50 (CH), 123.04 (C), 124.10 (C), 125.09 (C), 145.49 (2C), 159.30 (2C), 165.01 (CONH)	47	 C ₁₆ H ₁₈ N ₂ O ₄ F [320.302]
4	A ₄ 2-chloro-4-nitroaniline (0,28g)	E ₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3.88 (s, 3H, OCH ₃), 3.99 (s, 6H, 2OCH ₃), 6.88 (d, 1H, Ar-H), 7.18 (d, 1H, Ar-H), 7.45 (s, 2H, Ar-H), 7.95 (s, 1H, Ar-H)	54.35 (2OCH ₃), 59.17 (OCH ₃), 110.65 (CH), 116.43 (2CH), 120.28 (C), 122.94 (C), 124.51 (C), 125.08 (CH), 130.64 (C), 145.47 (CH), 155.12 (C), 159.37 (2C), 164.97 (CONH)	51	 C ₁₆ H ₁₇ N ₂ O ₄ Cl [336.756]

5	 A₅ 4-chloro-3-nitroaniline (0,28g)	 E₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3. 68 (s, 3H, OCH₃), 3.95 (s, 6H, 2OCH₃), 7.45 (s, 2H, Ar-H), 7.65 (d, 1H, Ar-H), 7.78 (d, 1H, Ar-H), 7.98 (s, 1H, Ar-H),	54.36 (2OCH₃), 59.27 (OCH₃), 110.86 (2CH), 116.45 (2CH), 117.50 (CH), 123.04 (C), 124.10 (C), 125.09 (C), 145.49 (2C), 159.30 (2C), 165.04 (CONH)	52	 C₁₆H₁₇N₂O₄Cl [336.756]
6	 A₆ 2-amino-5-nitropyridine (0,23g)	 E₁ 3,4,5-trimethoxybenzoyl chloride (0.37 g)	3.86 (s, 3H, OCH₃), 3.95 (s, 6H, 2OCH₃), 6.80 (d, 1H, Py-H), 7.27 (s, 2H, Ar-H), 7.44 (d, 1H, Py-H), 7.98 (s, 1H, Py-H)	56.77 (2OCH₃), 61.15 (OCH₃), 106.27 (2CH), 116.32 (CH), 124.61 (CH), 131.38 (C), 131.58 (C), 142.19 (C), 154.47 (2C), 156.09 (C), 168.06 (CONH)	45	 C₁₅H₁₇N₃O₄ [303.300]
7	 A₆ 2-amino-5-nitropyridine (0,23g)	 E₂ 3,5-dimethoxybenzoyl chloride (0.32 g)	3.87 (s, 6H, OCH₃), 6.67 (s, 1H, Ar-H), 6.79 (dd, 1H, Py-H), 7.17 (s, Py-H), 7.45 (s, 2H, Ar-H)	56.02 (2OCH₃), 104.61 (CH) 106.44 (2CH), 116.42 (CH), 124.49 (CH), 131.44 (C), 138.32 (C), 155.88 (C), 162.43 (2C), 168.39 (CONH)	44	 C₁₄H₁₅N₃O₃ [273.275]
8	 A₆ 2-amino-5-nitropyridine (0,23g)	 E₃ 3,4-dimethoxybenzoyl chloride (0.32 g)	3.95 (s, 6H, OCH₃), 6.78 (dd, 2H, Py-H), 7.05 (d, 1H, Ar-H), 7.43 (s, 1H, Py-H), 7.52 (s, 1H, Ar-H), 7.57 (d, 1H, Ar-H)	56.48 (OCH₃), 61.53 (OCH₃), 112.03 (CH), 112.14 (CH), 116.22 (CH), 116.30 (CH), 122.15 (CH), 124.49 (CH), 131.64 (C), 150.29 (C), 153.60 (C), 155.72 (2C), 168.24 (CONH)	46	 C₁₄H₁₅N₃O₃ [273.275]
9	 A₆ 2-amino-5-nitropyridine (0,23g)	 E₄ 3-methoxybenzoyl chloride (0.27 g)	3.85 (s, 3H, OCH₃), 6.78 (dd, 2H, Py-H), 7.12 (d, 1H, Ar-H), 7.40-7.52 (m, 3H, Ar-H), 7.99 (s, 1H, Py-H)	55.90 (OCH₃), 113.80 (CH), 112.03 (CH), 116.23 (CH), 118.55 (CH), 120.62 (CH), 122.99 (CH), 124.46 (CH), 131.52 (C), 131.89 (CH), 149.22 (C), 155.81 (C), 161.31 (C), 168.51 (CONH)	50	 C₁₃H₁₃N₃O₂ [243.160]

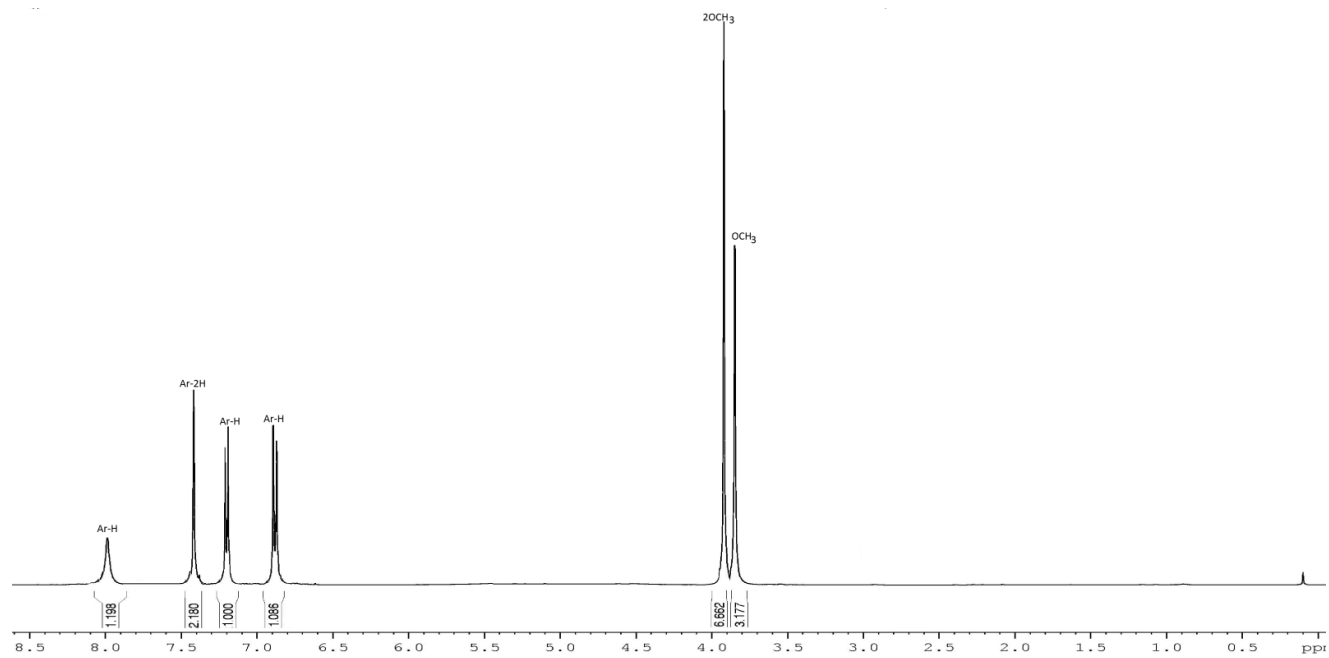
10	 A₇ 2-amino-5-nitropyrimidine (0,23g)	 E₁ 3,5-dimethoxybenzoyl chloride (0.32 g)	3.85 (s, 6H, OCH₃), 6.57 (s, 2H, Ar-H), 6.62 (s, 1H, Ar-H), 7.62 (s, 2H, Pyr-H)	55.64 (2OCH₃), 105.70 (CH), 106.39 (2CH), 121.06 (C), 122.67 (C), 135.23 (C), 148.55 (2CH), 154.87 (2C), 168.51 (CONH)	55	 C₁₃H₁₄N₄O₃ [274.263]
11	 A₇ 2-amino-5-nitropyrimidine (0,23g)	 E₁ 3-methoxybenzoyl chloride (0.27 g)	3.85 (s, 3H, OCH₃), 6.92 (d, 1H, Ar-H), 6.94 (d, 1H, Ar-H), 7.54 (tr, 1H, Ar-H), 7.58 (d, 1H, Ar-H), 7.62 (s, 2H, Pyr-H)	56.86 (OCH₃), 114.94 (CH), 116.29 (CH), 117.61 (CH), 130.64 (CH), 131.63 (C), 137.23 (C), 149.41 (2CH), 155.68 (C), 161.26 (C), 169.39 (CONH)	56	 C₁₂H₁₂N₄O₂ [244.239]
12	 A₇ 2-amino-5-nitropyrimidine (0,23g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.80 (s, 3H, OCH₃), 3.92 (s, 6H, OCH₃), 6.68 (d, 1H, CH), 6.94 (s, 2H, Ar-H), 7.55 (d, 1H, CH), 7.95 (s, 2H, Pyr-H)	56.68 (2OCH₃), 61.20 (OCH₃), 106.36 (2CH), 116.32 (2CH), 118.55 (CH), 121.84 (C), 123.10 (C), 138.60 (C), 142.20 (CH), 154.85 (2C), 155.81 (C), 169.21 (CONH)	58	 C₁₆H₁₈N₄O₄ [330.235]
13	 A₈ 4-nitroaniline (0.23 g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.80 (s, 3H, OCH₃), 3.90 (s, 6H, OCH₃), 6.67 (d, 1H, CH), 6.78 (d, 2H, Ar-H), 6.94 (s, 2H, Ar-H), 7.45 (d, 2H, Ar-H), 7.55 (d, 1H, CH)	56.68 (2OCH₃), 61.19 (OCH₃), 106.35 (2CH), 116.34 (2CH), 116.37 (C), 118.55 (CH), 121.85 (C), 123.09 (CH), 132.26 (C), 142.19 (CH), 147.61 (C), 154.85 (2C), 166.39 (CONH)	60	 C₁₈H₂₀N₂O₄ [304.327]
14	 A₉ 2-methoxy-4-nitroaniline (0,28 g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.78 (s, 3H, OCH₃), 3.80 (s, 3H, OCH₃), 3.90 (s, 6H, OCH₃), 6.68 (d, 1H, CH), 6.78 (d, 1H, Ar-H), 6.92 (s, 2H, Ar-H), 7.44 (d, 2H, Ar-H), 7.56 (d, 1H, CH)	56.69 (2OCH₃), 59.10 (OCH₃), 61.20 (OCH₃), 106.38 (2CH), 116.35 (2CH), 118.55 (CH), 121.87 (C), 123.10 (CH), 132.26 (C), 140.89 (C), 142.19 (CH), 147.31 (C), 154.86 (2C), 166.40 (CONH)	44	 C₁₉H₂₁N₂O₅ [357.4]

15	g)  A₆ 2-amino-5-nitropyridine (0,23g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.88 (s, 3H, OCH₃), 3.91 (s, 6H, OCH₃), 6.75 (d, 1H, Py-H), 6.89 (s, 1H, CH), 7.27 (s, 2H, Ar-H), 7.45 (d, 1H, Py-H), 7.83 (d, 1H, CH), 7.98 (s, 1H, Py-H)	56.77 (2OCH₃), 61.15 (OCH₃), 106.27 (2CH), 116.32 (CH), 118.82 (CH), 124.61 (CH), 131.38 (C), 131.58 (C), 141.72 (CH), 142.19 (C), 154.07 (2C), 156.29 (C), 167.96 (CONH)	38	 C₁₇H₁₉N₃O₄ [329.4]
16	 A₄ 2-chloro-5-nitroaniline (0,28g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.85 (s, 3H, OCH₃), 3.88 (s, 6H, OCH₃), 6.65 (s, 1H, CH), 6.78 (s, 2H, Ar-H), 6.89 (d, 1H, Ar-H), 7.35 (d, 1H, Ar-H), 7.45 (d, 1H, Ar-H), 7.83 (d, 1H, CH)	55.64 (2OCH₃), 57.48 (OCH₃), 105.07 (CH), 115.07 (2CH), 117.64 (CH), 118.09 (CH), 121.28 (C), 122.67 (C), 129.68 (CH), 130.64 (C), 137.47 (2C), 141.20 (CH), 154.12 (C), 157.30 (C), 164.80 (CONH)	40	 C₁₉H₁₉N₂O₄Cl [374.9]
17	 A₂ 2-fluoro-5-nitroaniline (0,26 g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.82 (s, 3H, OCH₃), 3.88 (s, 6H, OCH₃), 6.45 (d, 1H, Ar-H), 6.55 (s, 1H, CH), 6.68 (s, 2H, Ar-H), 6.82 (d, 1H, Ar-H), 7.31 (d, 1H, Ar-H), 7.65 (d, 1H, CH)	56.77 (2OCH₃), 61.15 (OCH₃), 105.89 (2CH), 107.79 (CH), 116.33 (CH), 117.35 (CH), 118.02 (CH), 122.67 (C), 129.68 (C), 130.64 (C), 137.47 (C), 139.31 (CH), 143.12 (C), 154.67 (2C), 165.50 (CONH)	45	 C₁₉H₁₉N₂O₄F [358.4]
18	 A₁ 2-iodo-4-nitroaniline (0,43g)	 E₅ 3,4,5-trimethoxy-trans-cinnamoyl chloride (0.45 g)	3.82 (s, 3H, OCH₃), 3.89 (s, 6H, 2OCH₃), 6.65 (d, 1H, CH), 6.88 (d, 1H, Ar-H), 7.25 (d, 2H, Ar-H), 7.55 (d, 1H, CH), 7.95 (s, 2H, Ar-H), 8.05 (s, 1H, Ar-H),	56.56 (2OCH₃), 61.15 (OCH₃), 105.87 (C), 106.89 (2CH), 107.29 (CH), 126.21 (CH), 128.78 (C), 129.52 (CH), 133.41 (C), 134.05 (CH), 139.93(C), 140.68 (CH), 153.73 (C), 154.65 (2C), 163.88 (CONH)	44	 C₁₉H₁₉N₂O₄I [466.3]

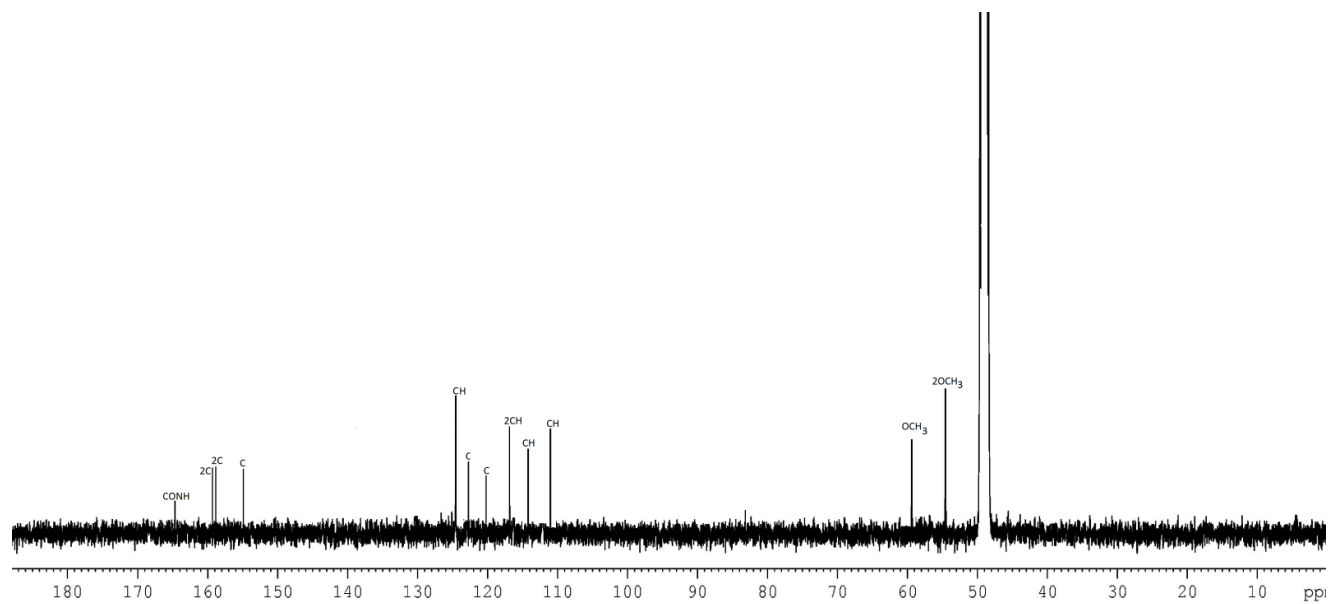
Supplementary materials 2. ^1H and ^{13}C NMR spectra of the new compounds **1–18**.

compound **1**

^1H

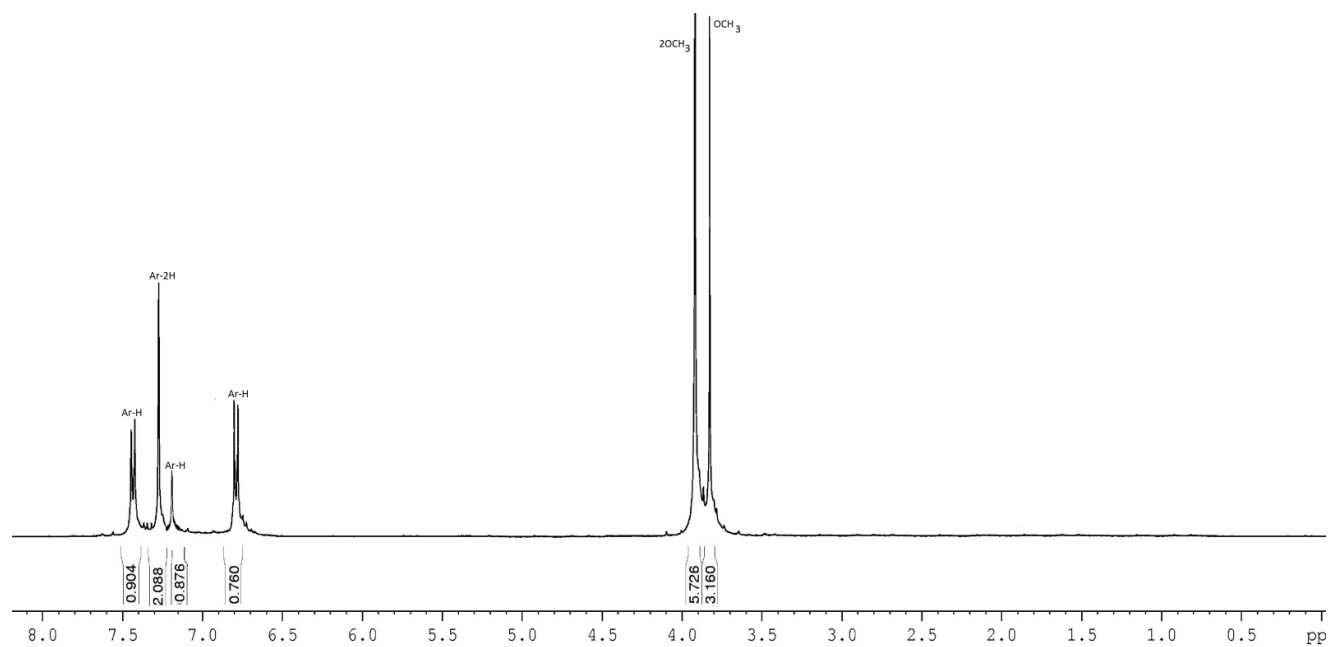


^{13}C

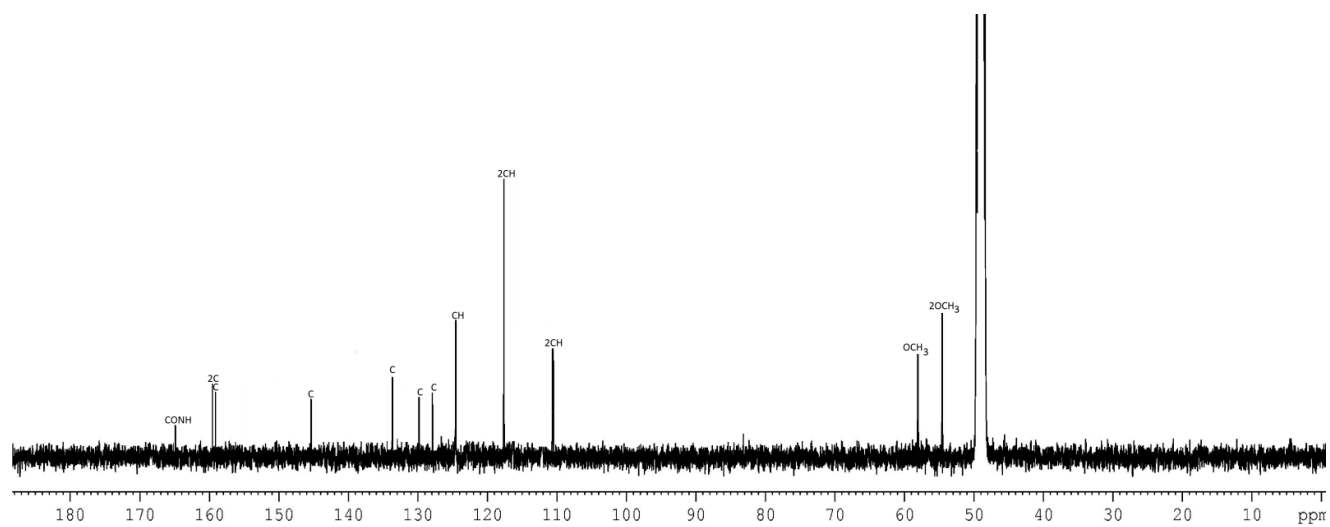


compound 2

^1H

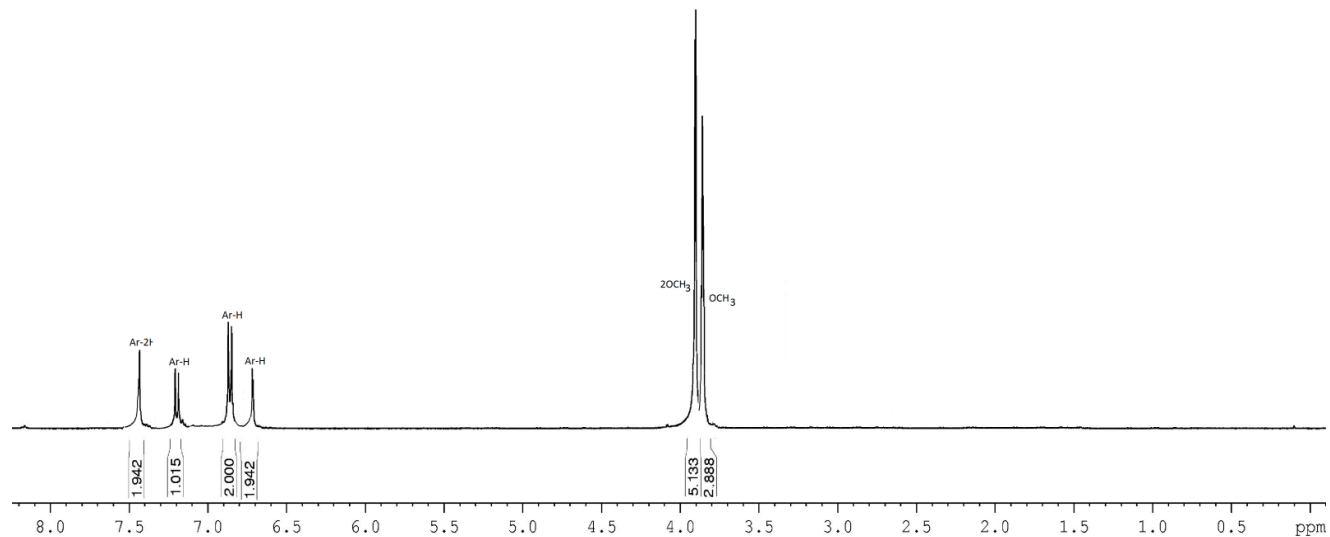


^{13}C

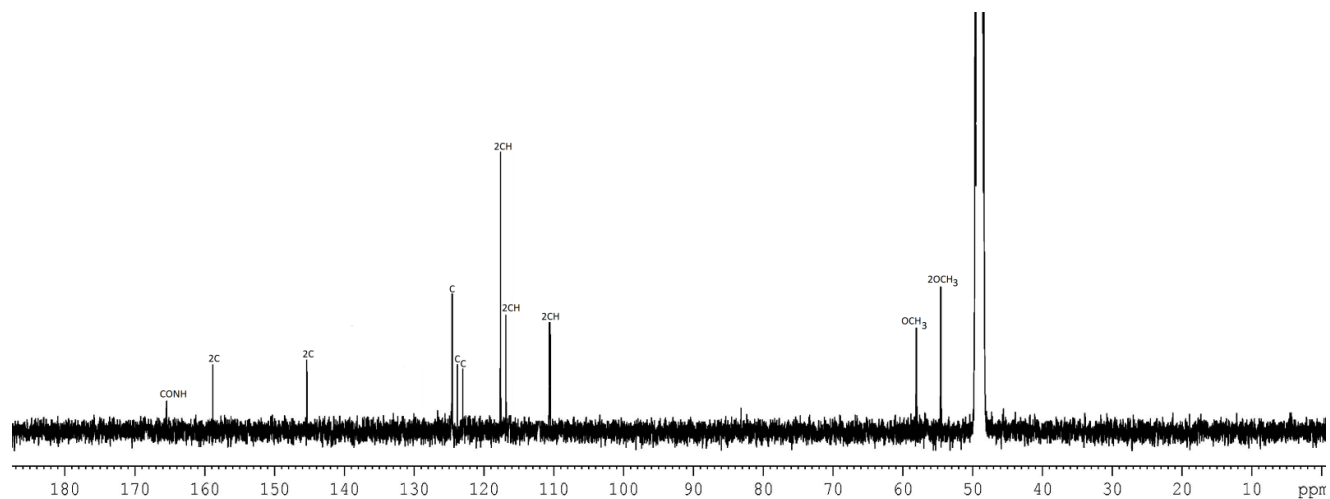


compound **3**

^1H

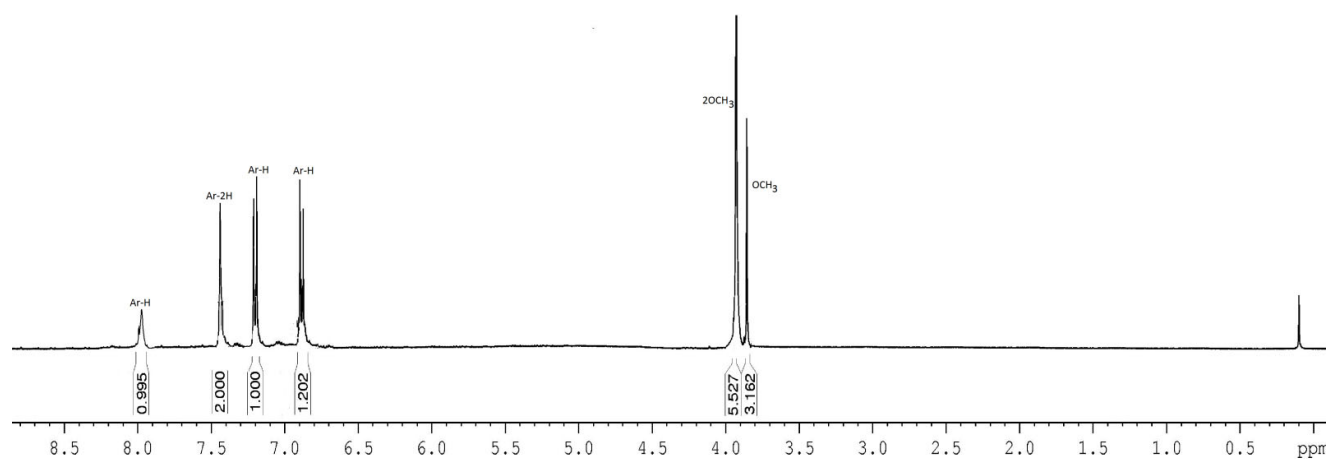


^{13}C

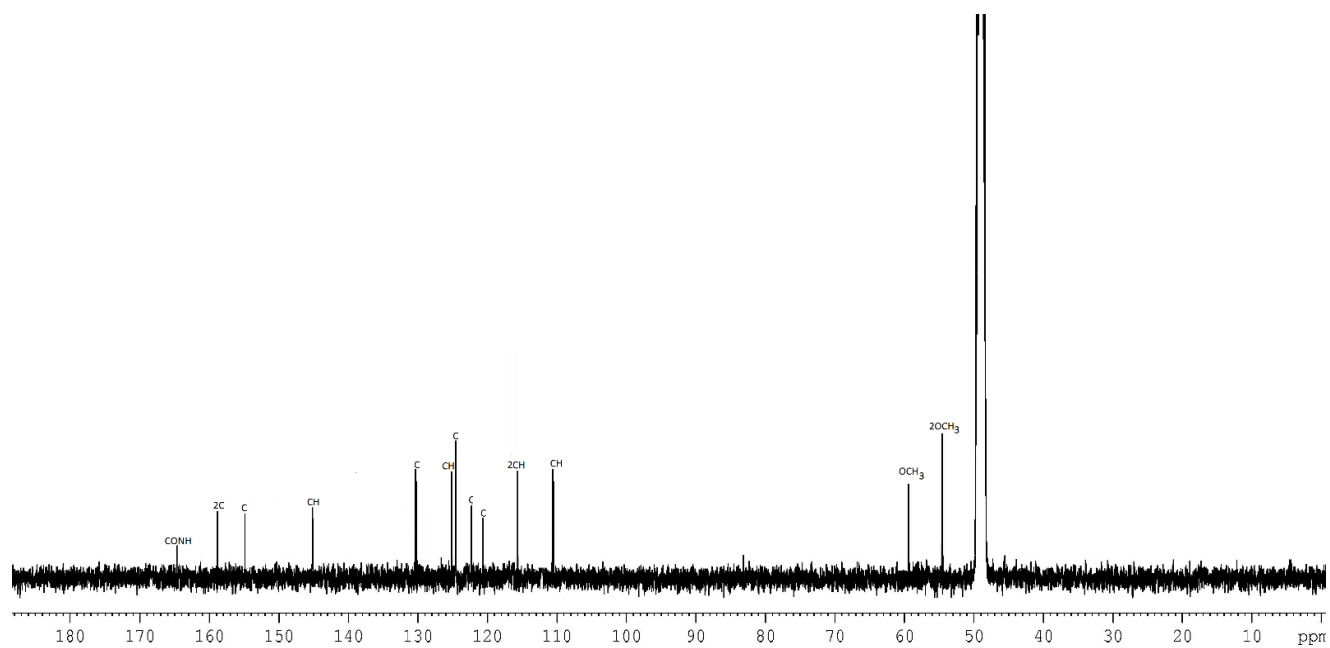


compound 4

^1H

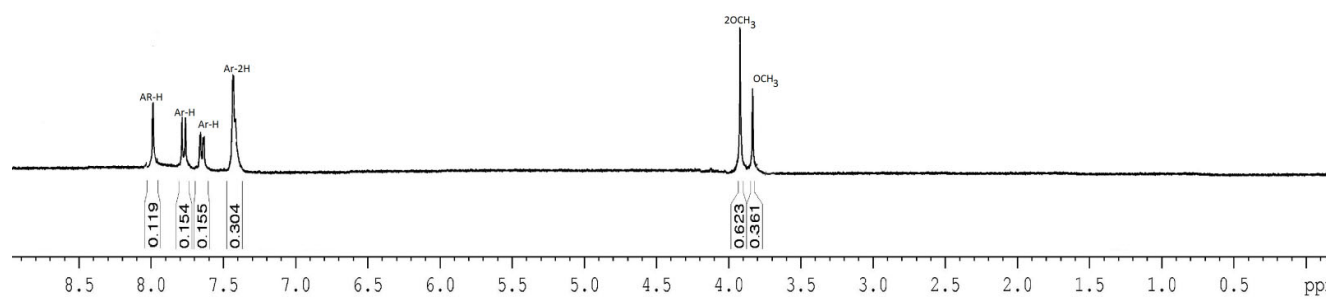


^{13}C

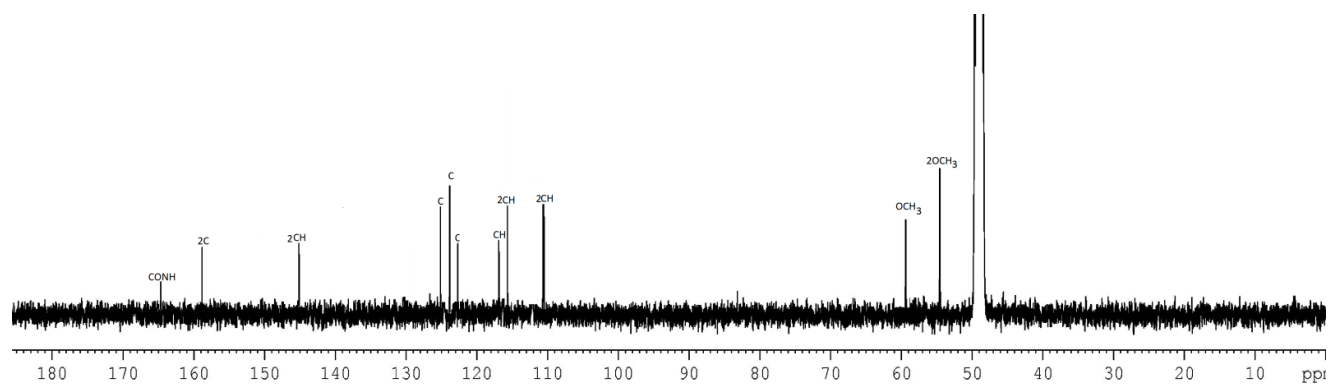


compound 5

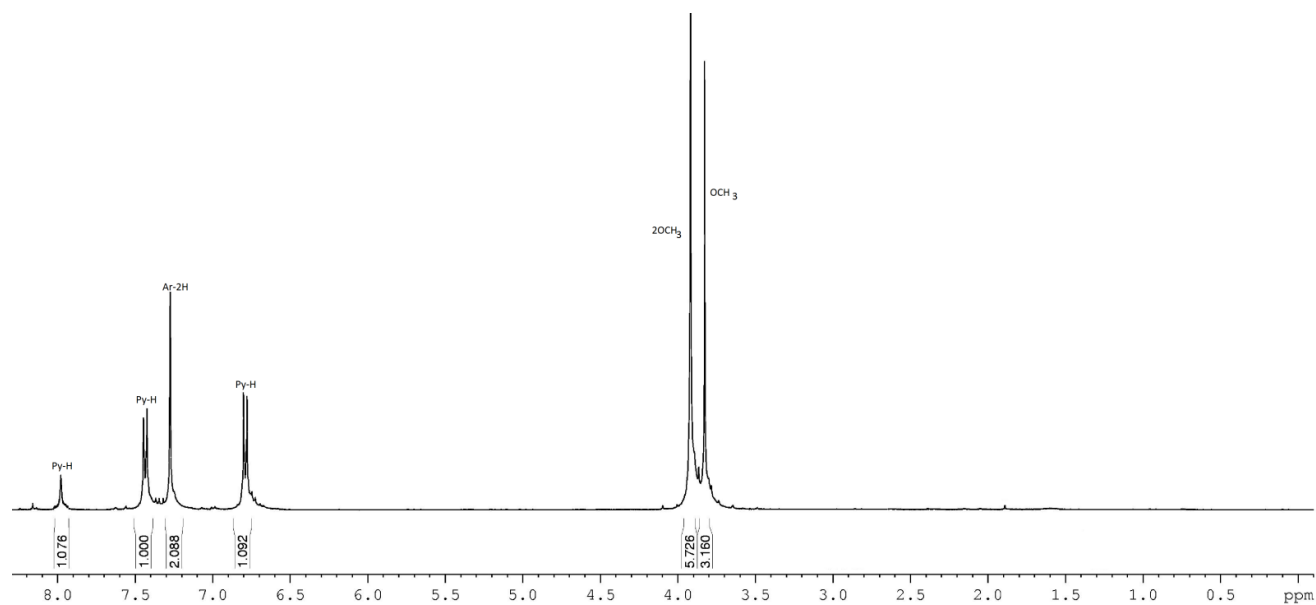
^1H



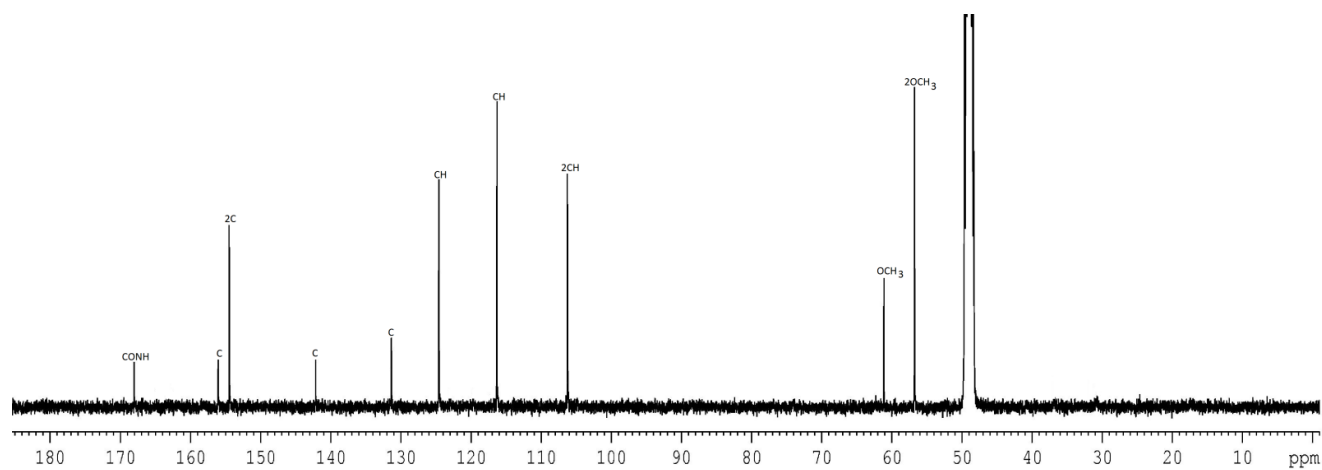
^{13}C



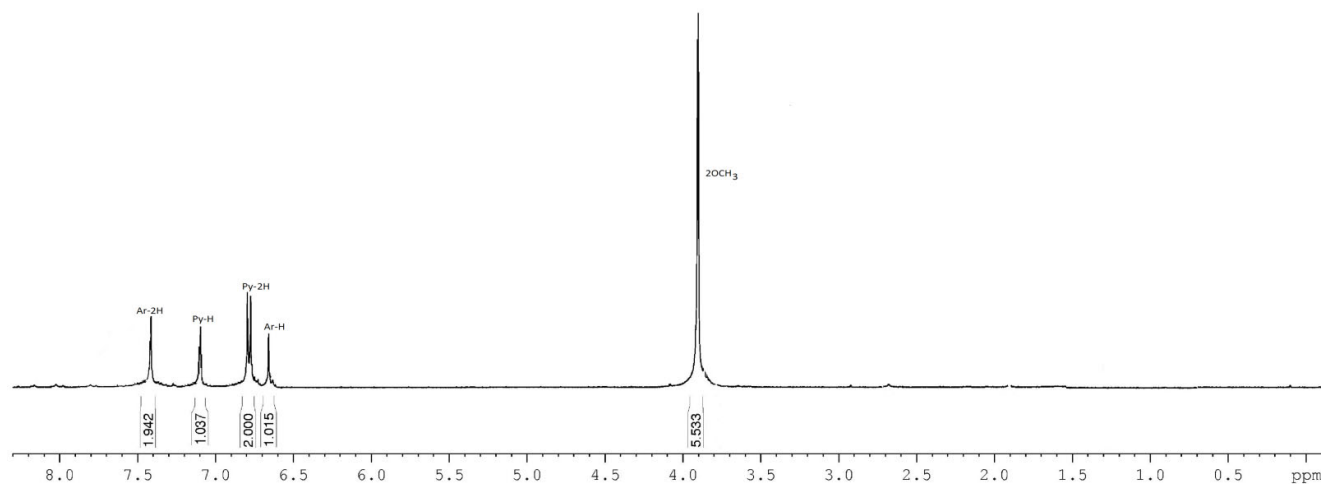
compound 6



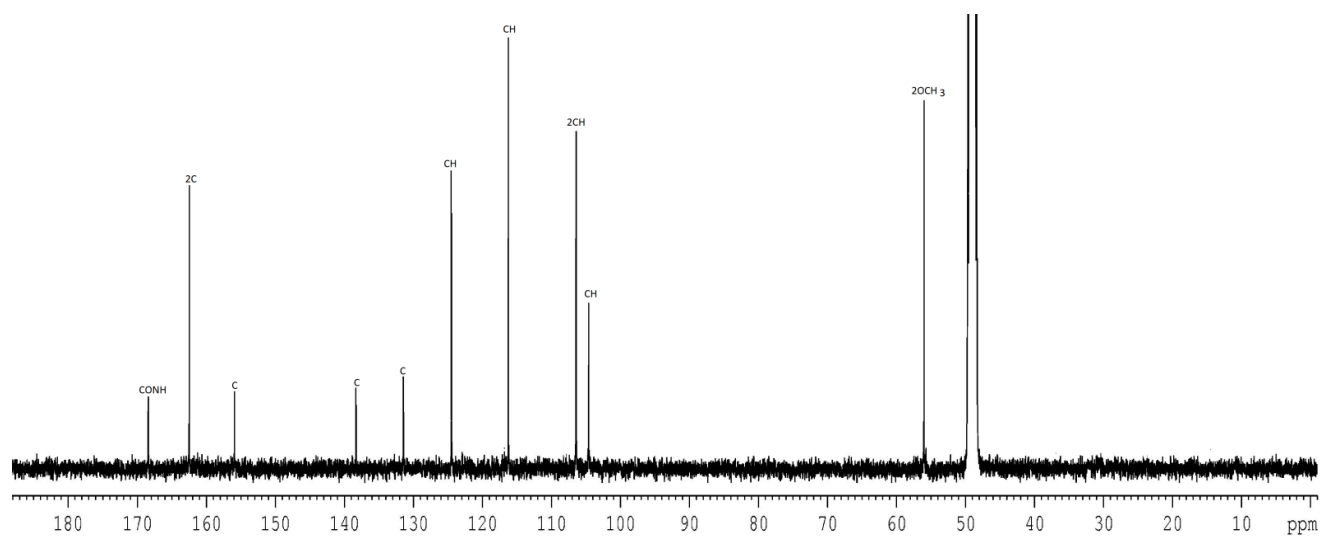
¹³C



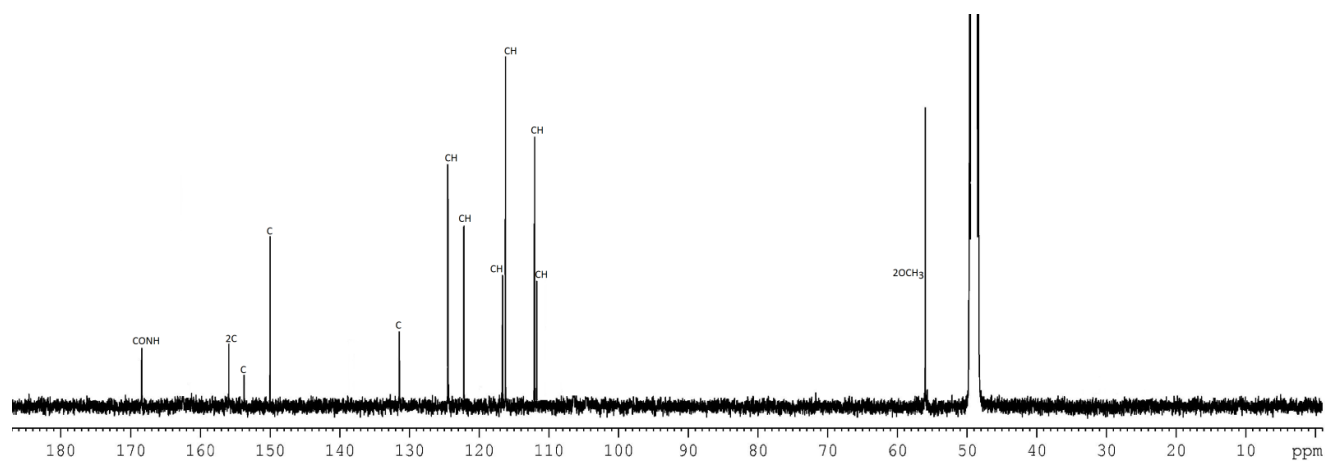
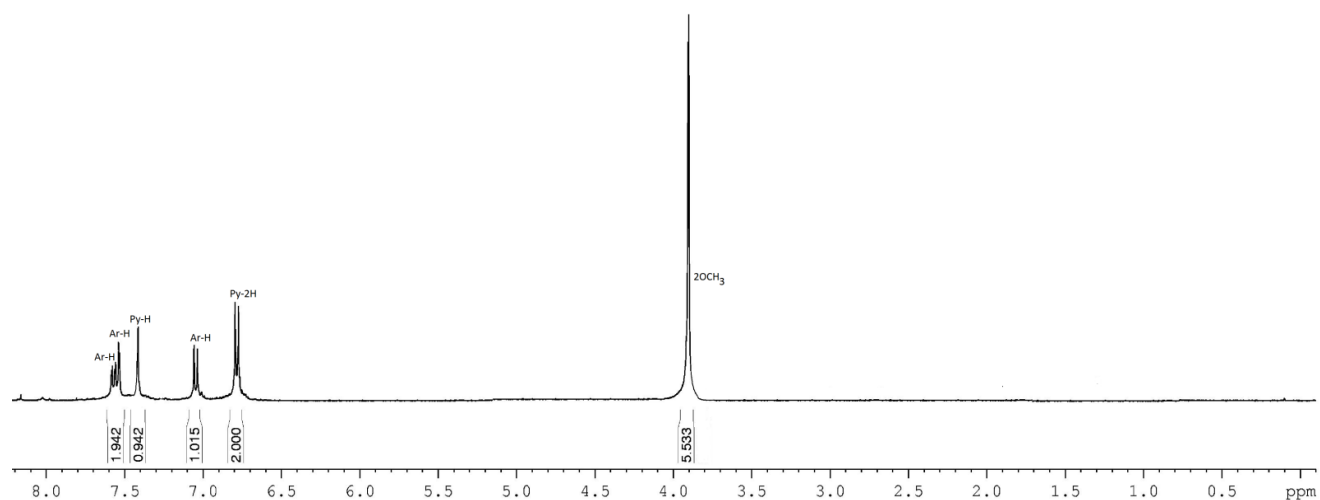
compound 7



¹³C

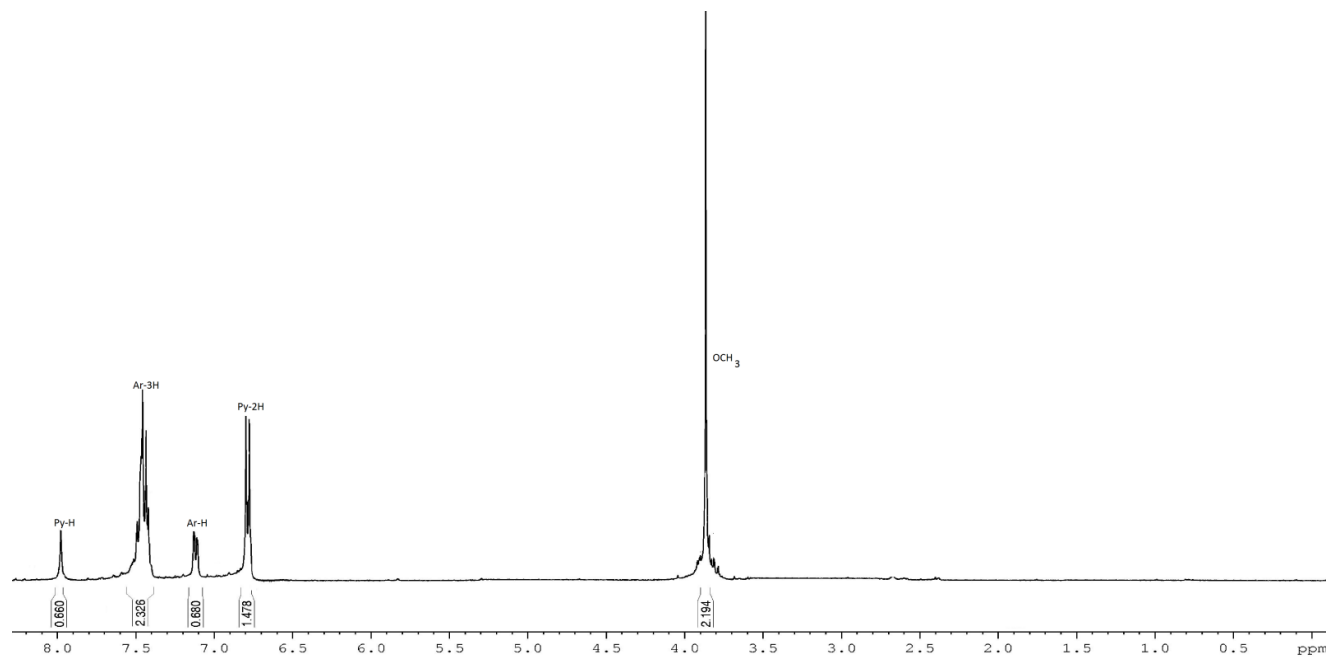


compound 8

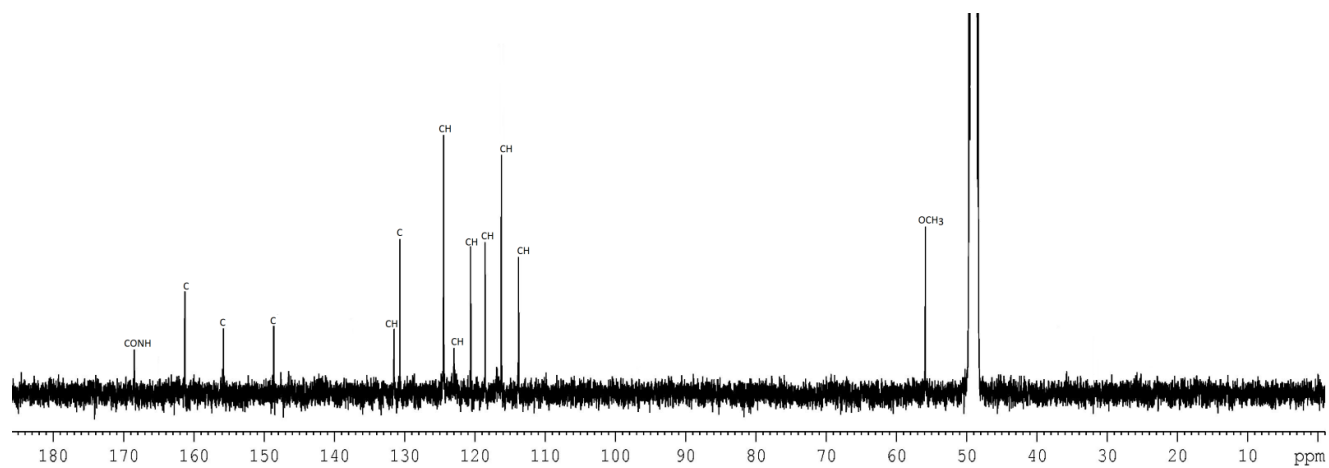


compound 9

^1H

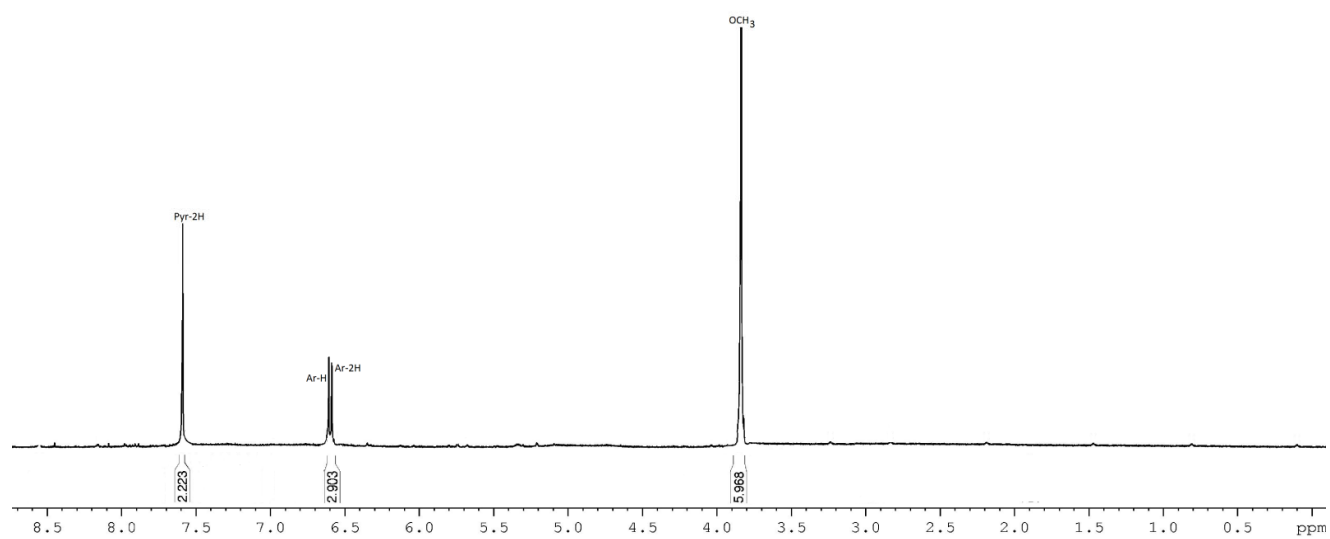


^{13}C

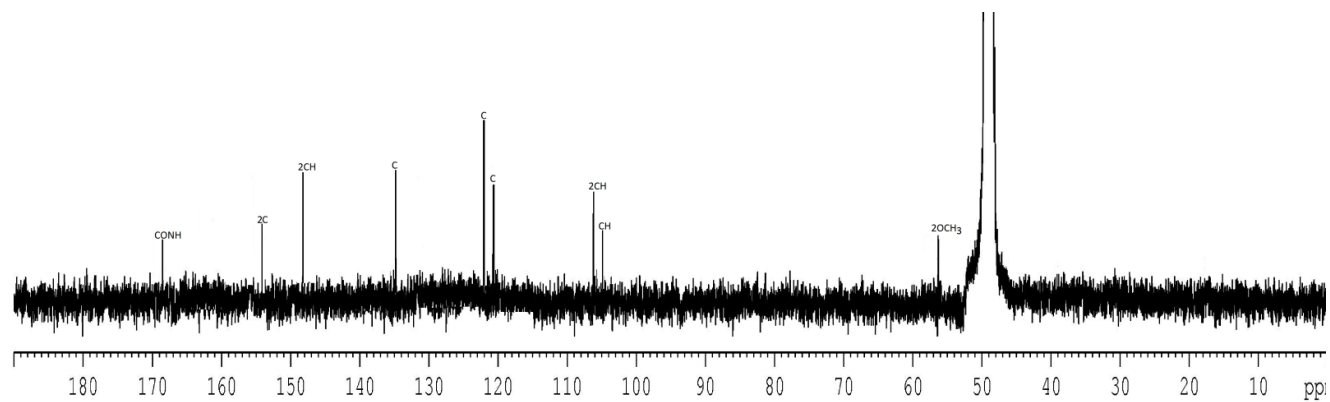


compound **10**

^1H

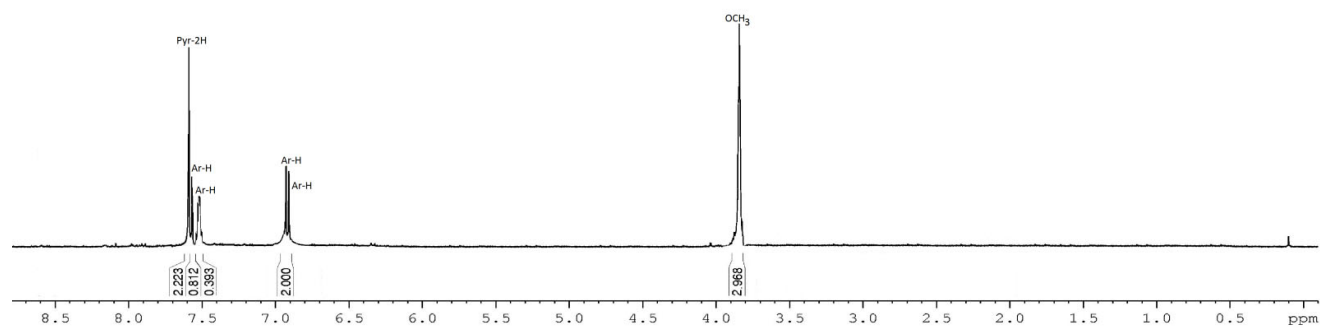


^{13}C

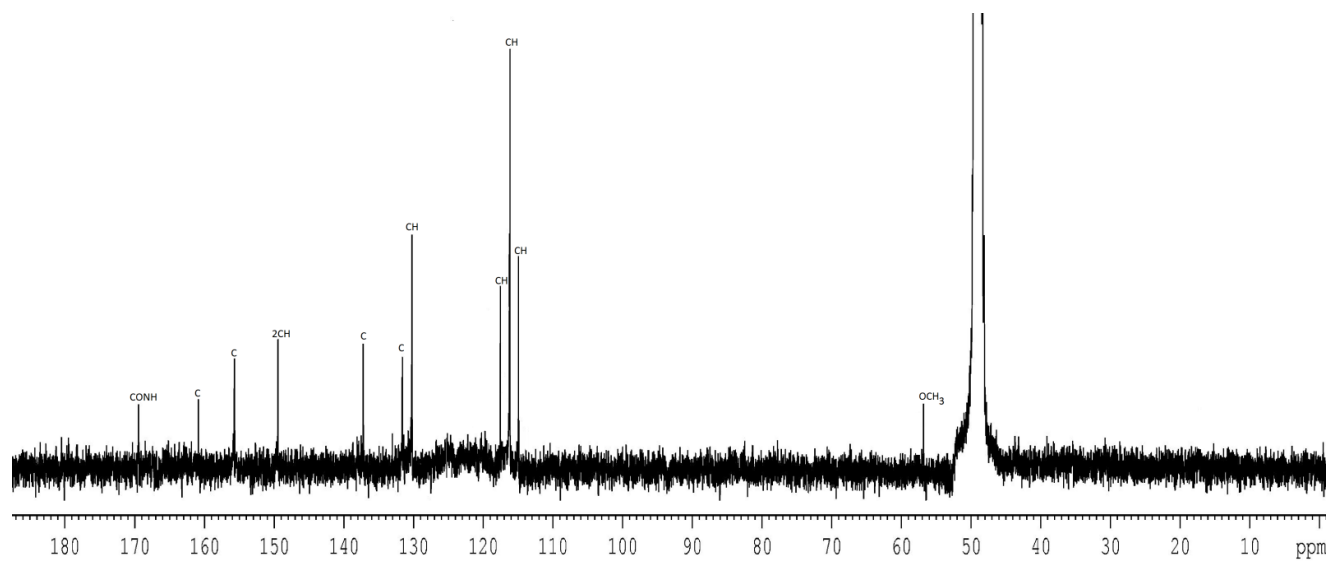


compound **11**

^1H

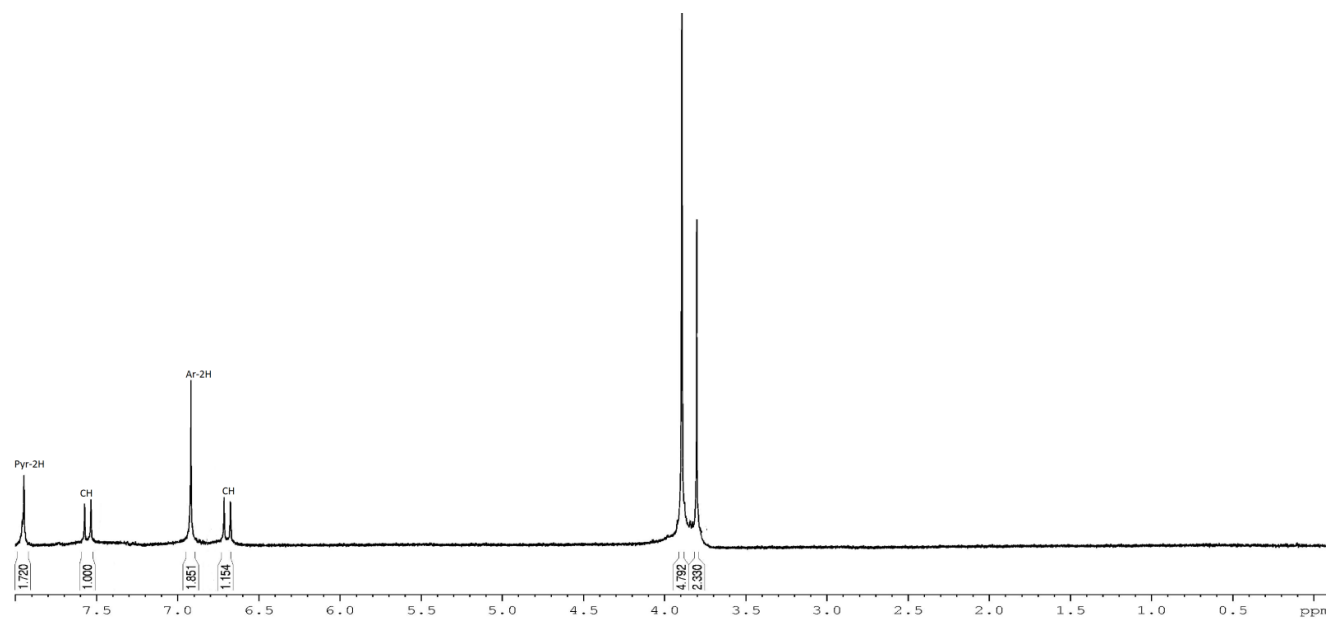


^{13}C

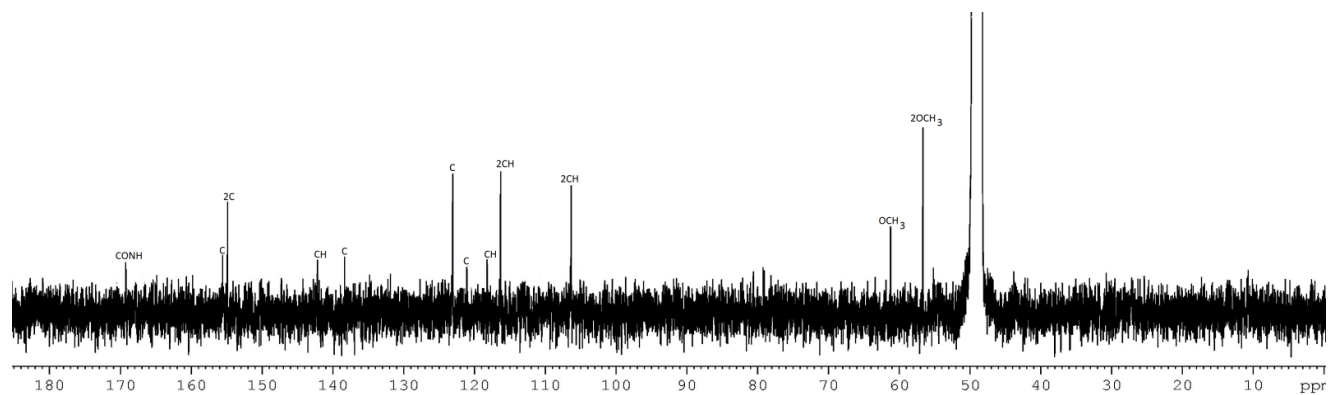


compound **12**

^1H

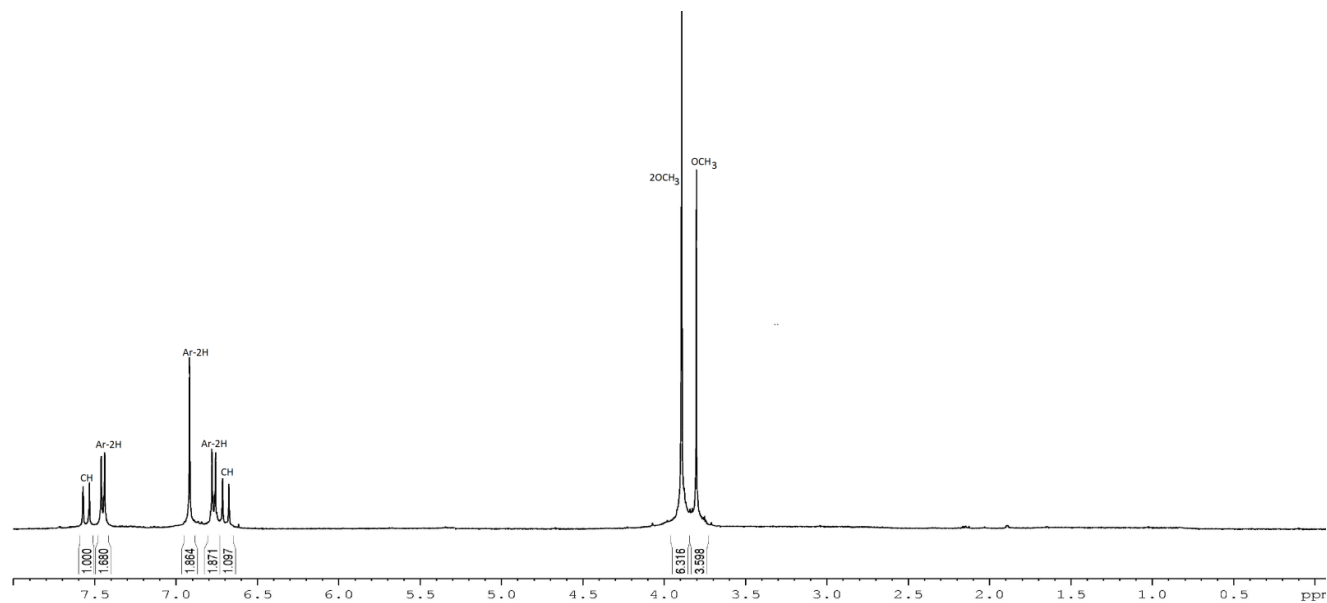


^{13}C

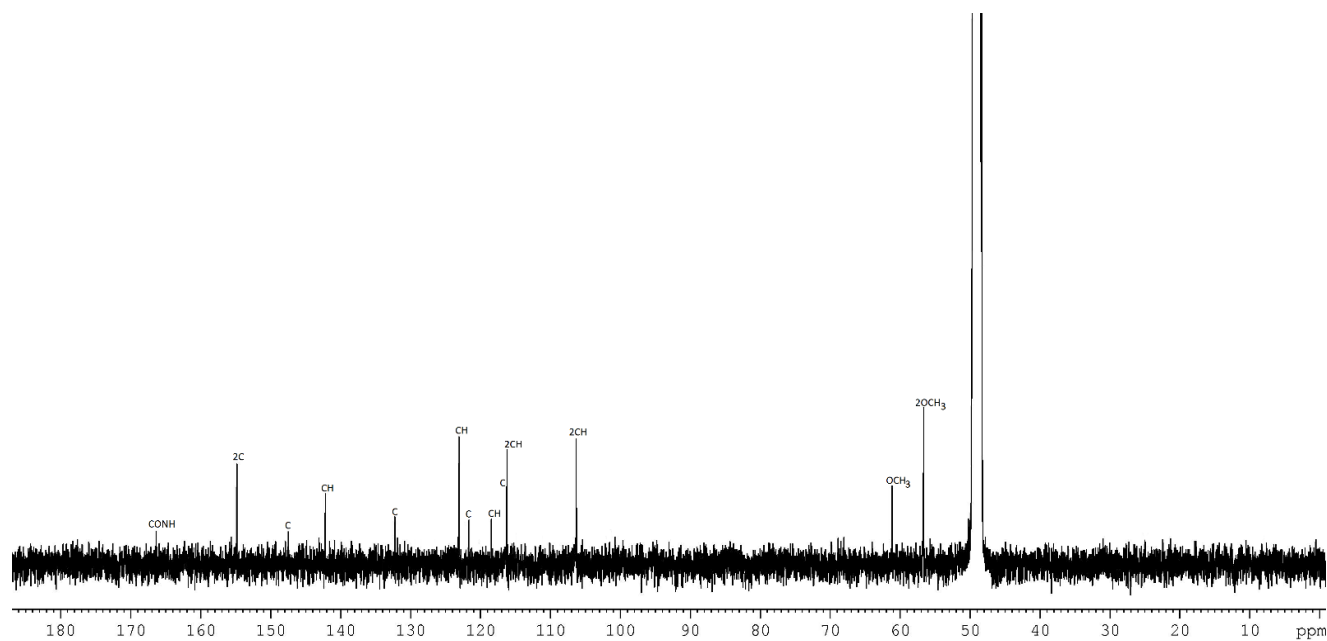


compound **13**

^1H

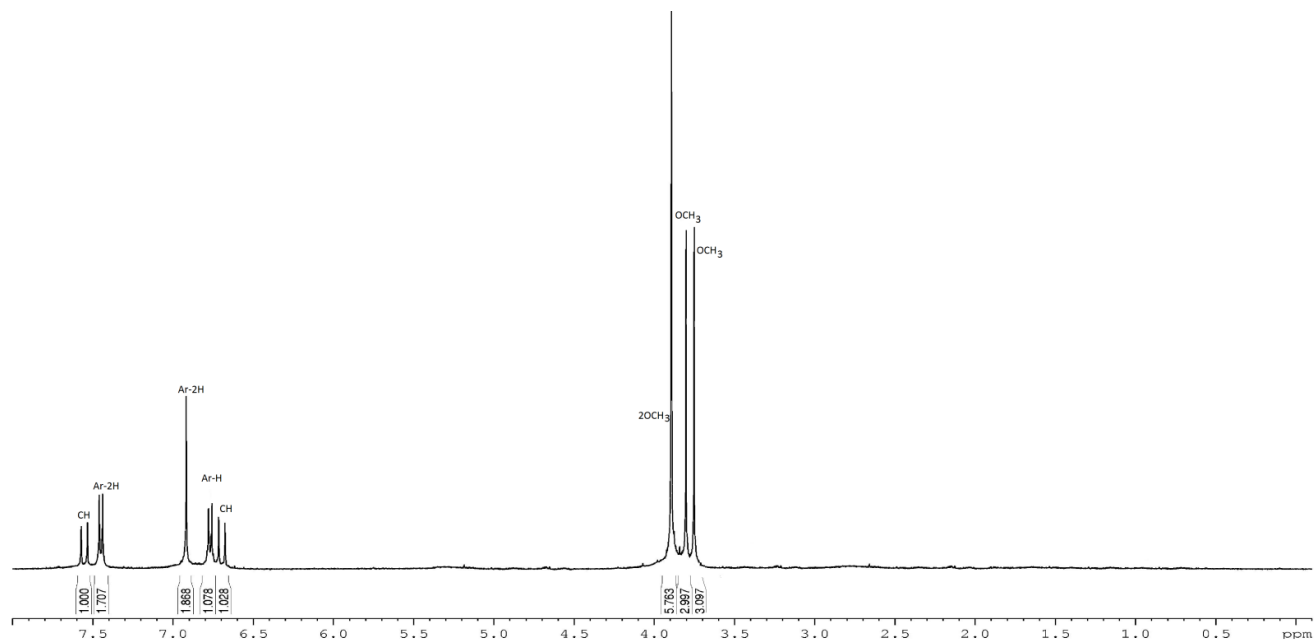


^{13}C

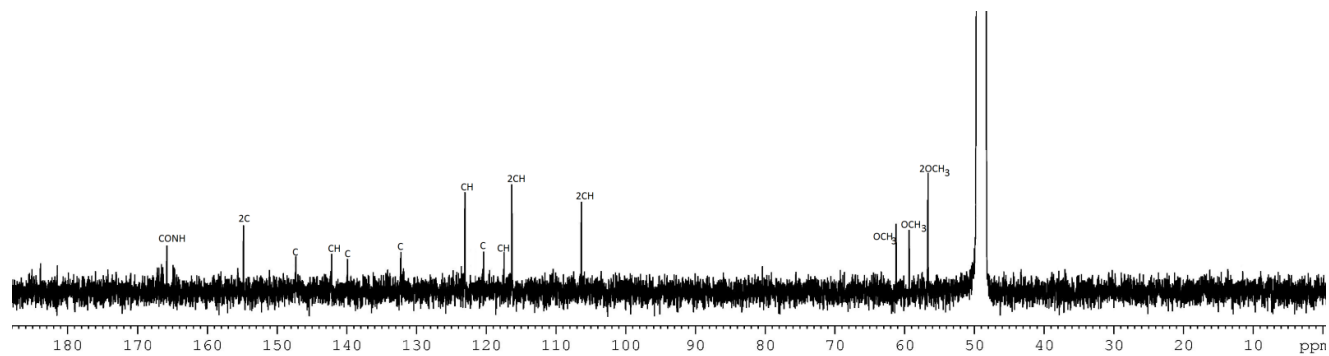


compound **14**

^1H

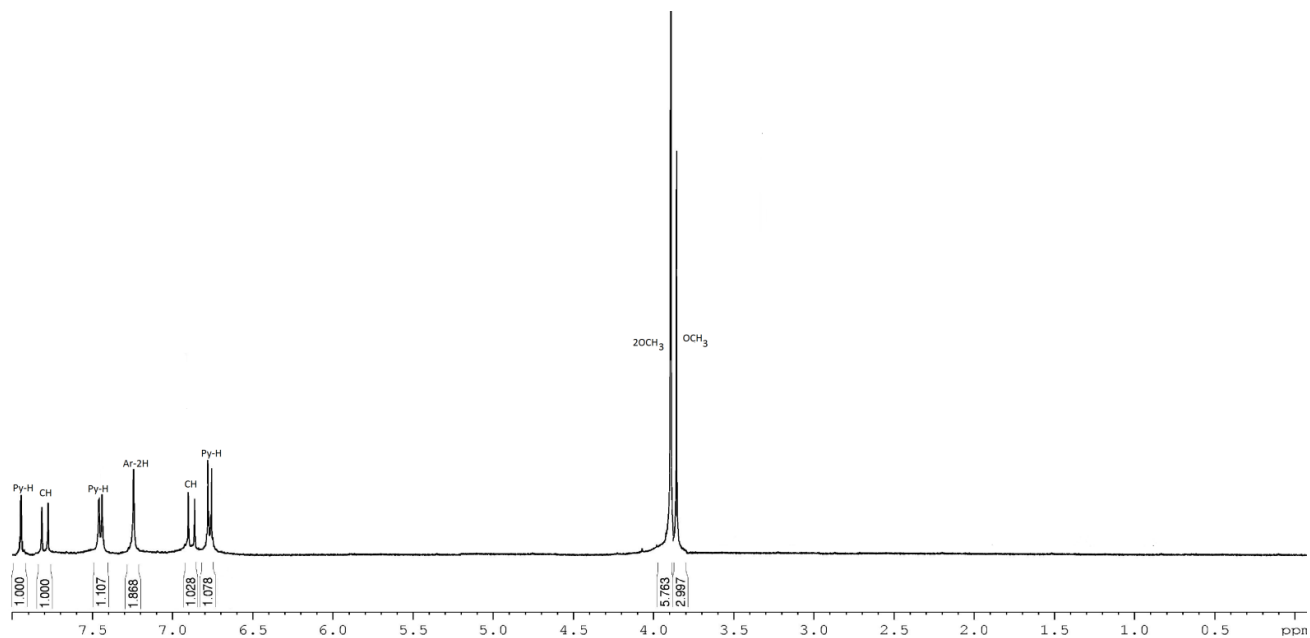


^{13}C

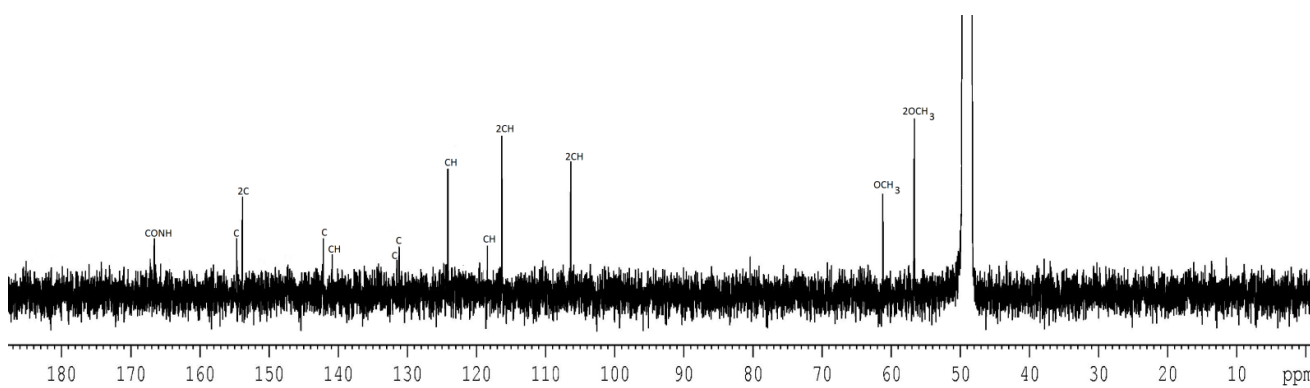


compound **15**

^1H

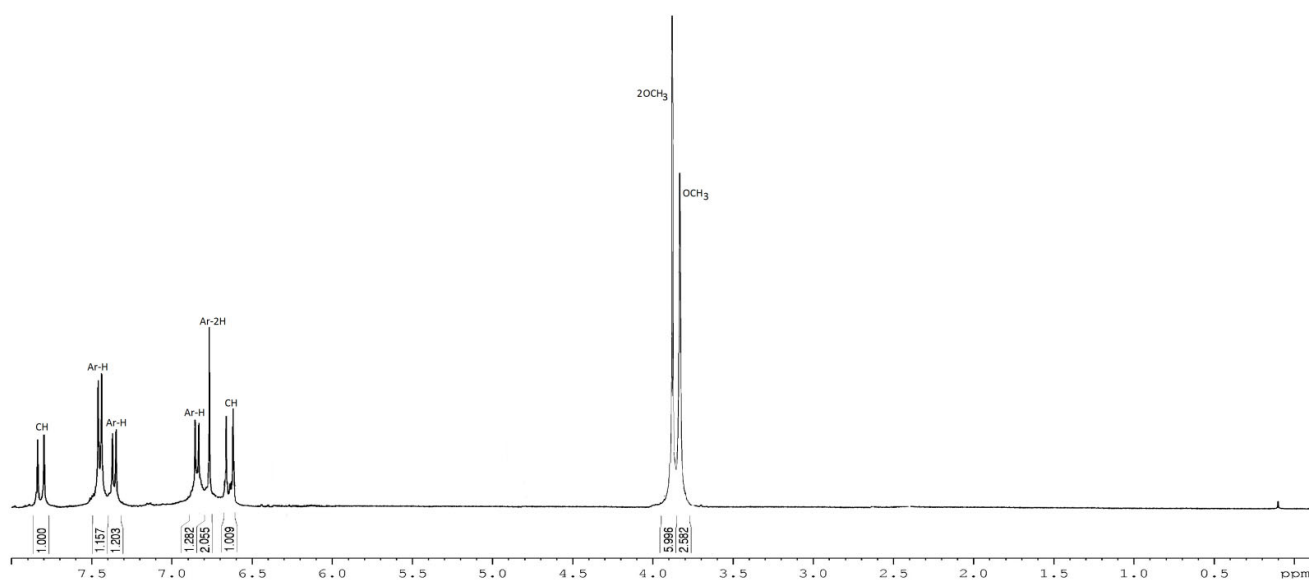


^{13}C

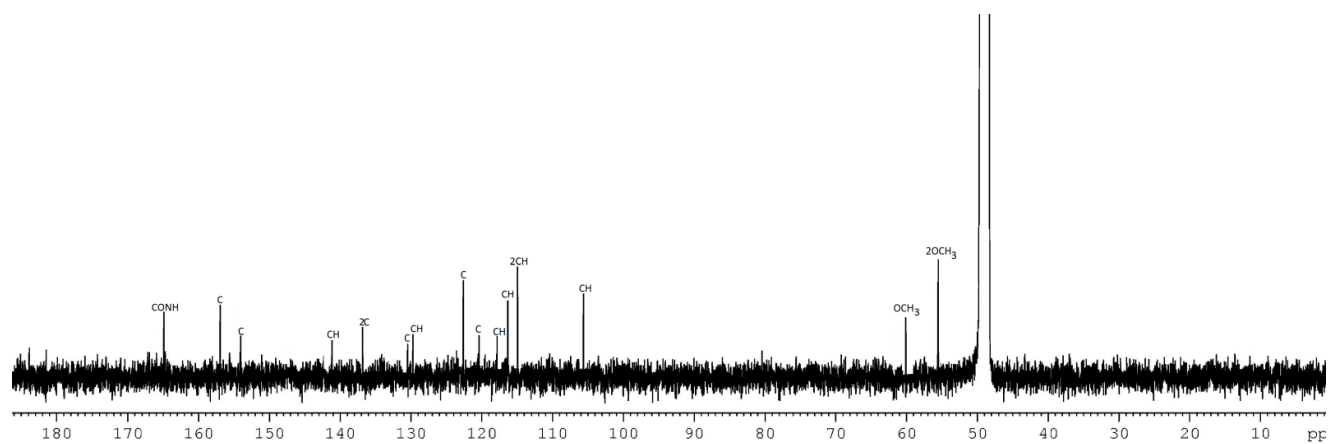


compound **16**

^1H

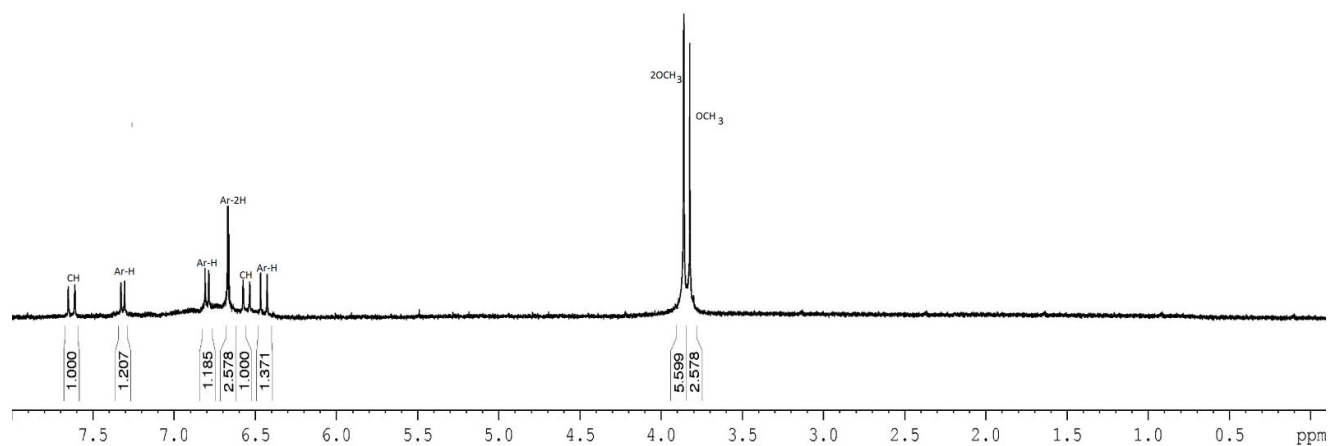


^{13}C

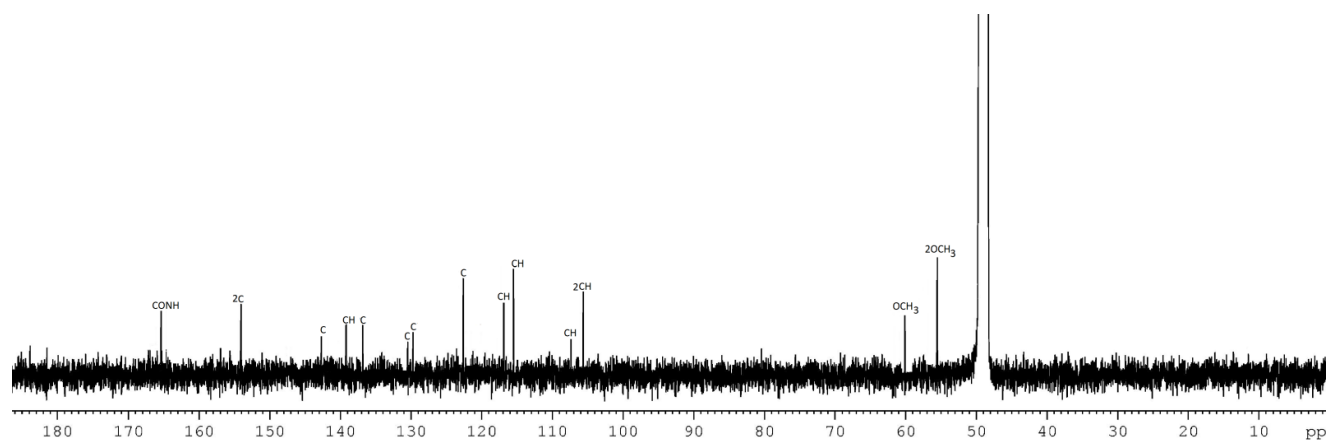


compound **17**

^1H

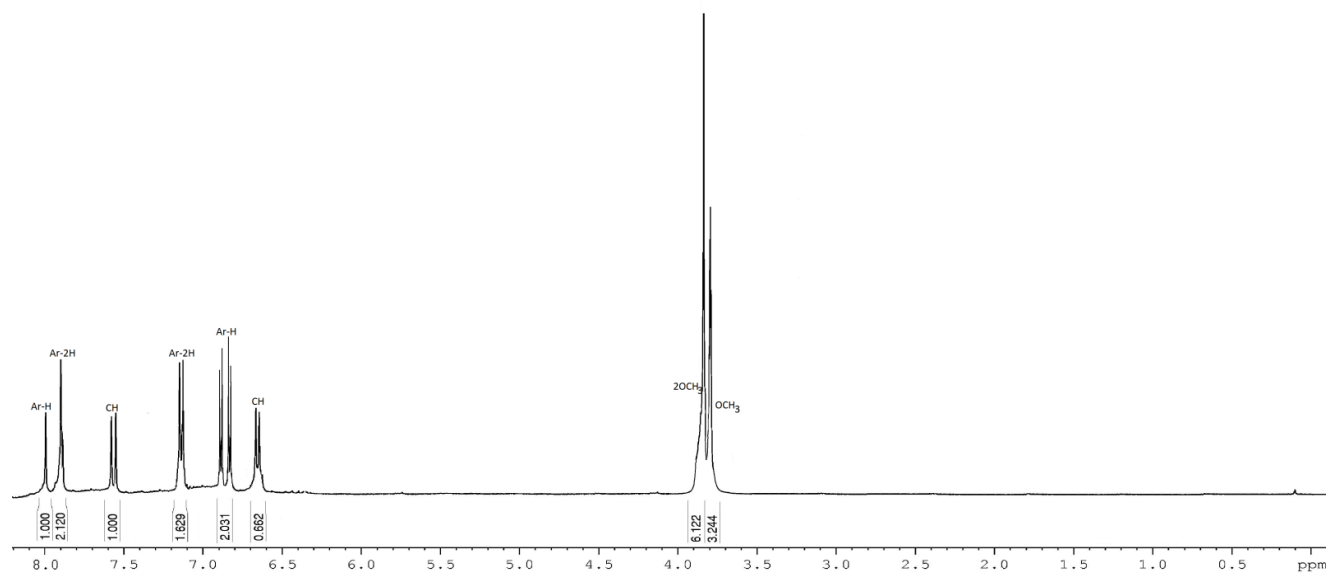


^{13}C



compound **18**

^1H



^{13}C

