

Fig. S1 Energy-dispersive X-ray spectroscopy of $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-Fe}_2\text{LDAR}$.

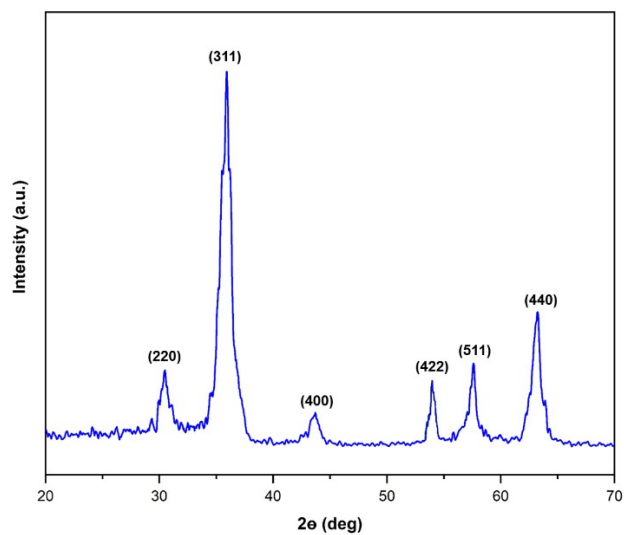


Fig. S2 XRD pattern of $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-Fe}_2\text{LDAR}$.

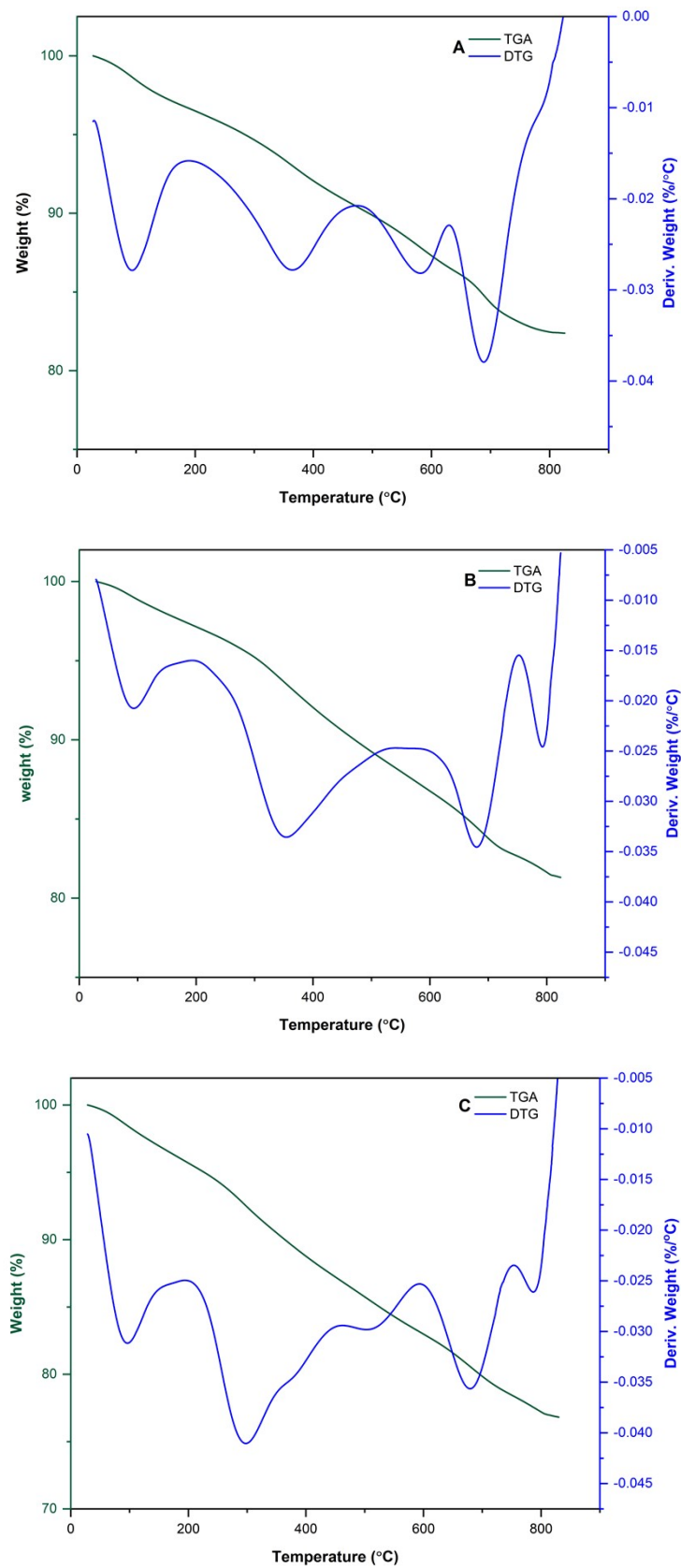


Fig. S3 (A) TGA and DTG analyses of $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES}$, (B) $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-H}_2\text{L}^{\text{DAR}}$, (C) $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-Fe}_2\text{L}^{\text{DAR}}$.

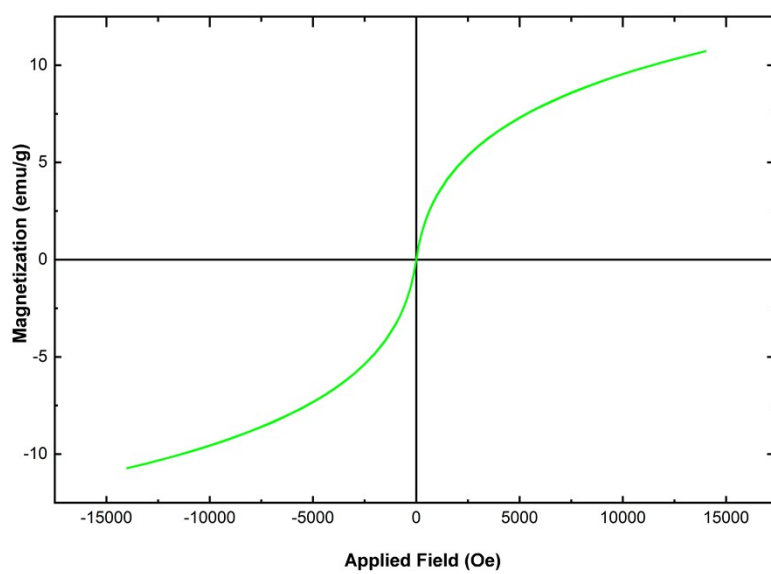


Fig. S4 Magnetization curve of $\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-Fe}_2\text{L}^{\text{DAR}}$.

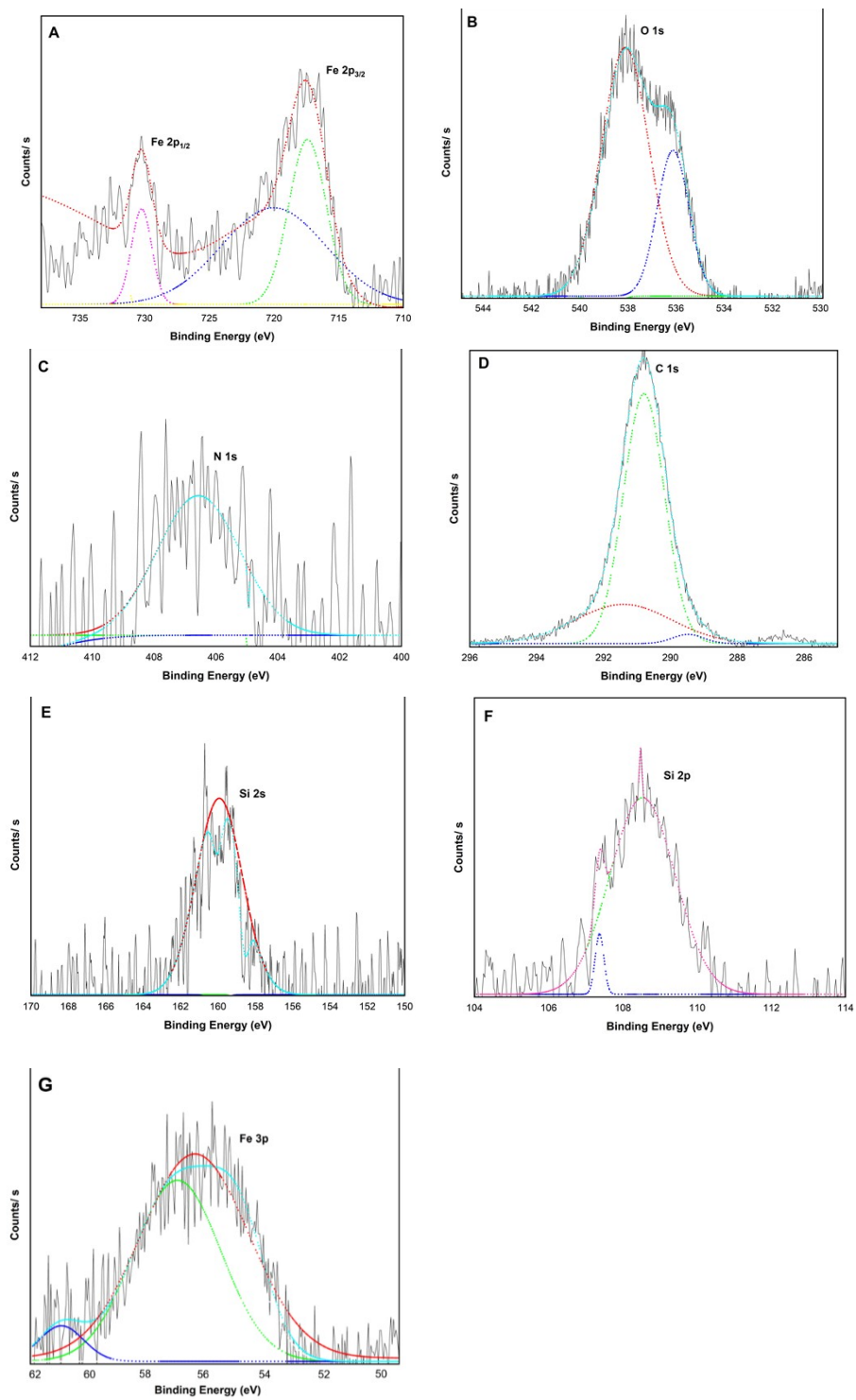
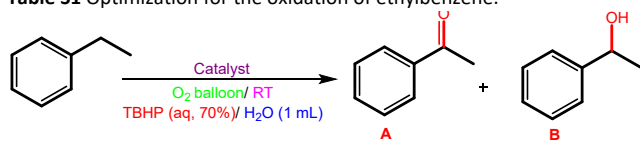


Fig. S5 The X-ray photoelectron spectroscopy (XPS) spectrum of catalyst ($\text{Fe}_3\text{O}_4@\text{SiO}_2\text{-APTES-Fe}_2\text{L}^{\text{DAR}}$).

Table S1 Optimization for the oxidation of ethylbenzene.

| Entry | Catalyst [mg] | Solvent | O ₂ /Ar | TBHP ^a | T [h] | Conv. ^b [%] | Sel. ^c [%] to A |
|-----------------|-------------------|------------------|--------------------|-------------------|-------|------------------------|----------------------------|
| 1 | 30.0 ^d | H ₂ O | O ₂ | 2 | 8 | 83 | 100 |
| 2 | 30.0 ^d | H ₂ O | O ₂ | - | 2 | 6 | 100 |
| 3 | 30.0 ^d | H ₂ O | O ₂ | - | 5 | 21 | 100 |
| 4 | 30.0 ^d | H ₂ O | O ₂ | - | 10 | 52 | 100 |
| 5 | 30.0 ^d | H ₂ O | O ₂ | - | 15 | 100 | 100 |
| 6 | 40.0 ^e | H ₂ O | O ₂ | - | 15 | 100 | 100 |
| 7 | 40.0 ^e | H ₂ O | O ₂ | - | 12 | 87 | 100 |
| 8 | 20.0 ^f | H ₂ O | O ₂ | - | 15 | 94 | 100 |
| 9 | 10.0 ^g | H ₂ O | O ₂ | - | 15 | 71 | 100 |
| 10 ^h | - | H ₂ O | O ₂ | - | 15 | trace | trace |
| 11 ⁱ | 30.0 ^d | H ₂ O | O ₂ | - | 15 | trace | trace |

Reaction conditions: Catalyst, Substrate (1 mmol), O₂ balloon, H₂O (1 mL), T= room temperature.

[a] TBHP (70% in H₂O).

[b] Conversions were determined by GC using biphenyl as an internal standard (molar ratio of substrate to internal standard is 1:1).

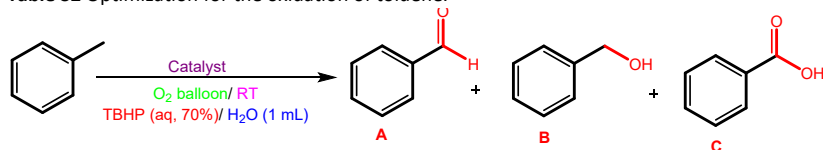
[c] Selectivity % = [(Product %) / (Products %)] × 100.

[d] 30.0 mg ≈ 0.9 mol% [e] 40.0 mg ≈ 1.2 mol% [f] 20.0 mg ≈ 0.6 mol% [g] 10.0 mg ≈ 0.3 mol%.

[h] In the absence of catalyst.

[i] Reference test in the presence of FeCl₃.

Table S2 Optimization for the oxidation of toluene.



| Entry | Catalyst type and amount[mg] | Solvent | O ₂ /Ar | TBHP ^a | T [h] | Conv. ^b [%] | Sel. ^c [%] to C |
|-----------------|--|------------------|--------------------|-------------------|-------|------------------------|----------------------------|
| 1 ^d | - | H ₂ O | O ₂ | 2 | 20 | - | - |
| 2 ^e | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 30.0 | H ₂ O | O ₂ | 2 | 18 | 45 | 100 |
| 3 ^e | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 30.0 | H ₂ O | O ₂ | 3 | 18 | 72 | 100 |
| 4 ^f | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 40.0 | H ₂ O | O ₂ | 3 | 18 | 83 | 100 |
| 5 ^g | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 50.0 | H ₂ O | O ₂ | 3 | 18 | 87 | 100 |
| 6 ^f | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 40.0 | H ₂ O | O ₂ | 3 | 20 | 91 | 100 |
| 7 ^e | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 30.0 | H ₂ O | O ₂ | 3 | 20 | 82 | 100 |
| 8 ^h | Fe ₃ O ₄ @SiO ₂ APTES 40.0 | H ₂ O | O ₂ | 3 | 20 | 94 | 1 |
| 9 ⁱ | Fe ₃ O ₄ @SiO ₂ APTESH ₂ L ^{DAR} 40.0 | H ₂ O | O ₂ | 3 | 20 | 95 | 3 |
| 10 ^l | Fe ₃ O ₄ @SiO ₂ APTESFe ₂ L ^{DAR} 40.0 | H ₂ O | Ar | 3 | 20 | 95 | 8 |

Reaction conditions: Catalyst, Substrate (1 mmol), O₂ balloon, H₂O (1 mL), T = room temperature.

[a] TBHP (70% in H₂O).

[b] Conversions were determined by GC using biphenyl as an internal standard (molar ratio of substrate to internal standard is 1:1).

[c] Selectivity % = [(Product %) / (Products %)] × 100.

[d] In the absence of catalyst.

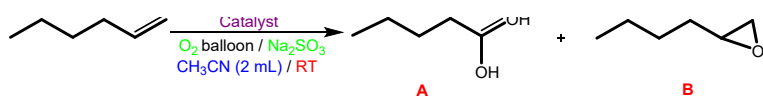
[e] 30.0 mg ≈ 0.9 mol%. [f] 40.0 mg ≈ 1.2 mol%. [g] 50.0 mg ≈ 1.5 mol%.

[h] Reference test in the presence of Fe₃O₄@SiO₂APTES.

[i] Reference test in the presence of Fe₃O₄@SiO₂APTESH₂L^{DAR}.

[l] Reference test in the absence of O₂ balloon (under Ar atmosphere)

Table S3 Optimization for the oxidation of 1-hexene.



| Entry | Catalyst type and amount [mg] | Solvent | O ₂ /Ar | Na ₂ SO ₃ ^a [mmol] | T [h] | Conv. ^b [%] | Sel. ^c [%] to A |
|-----------------|--|--------------------------|--------------------|---|-------|------------------------|----------------------------|
| 1 ^d | - | CH ₃ CN | O ₂ | 2 | 15 | - | - |
| 2 ^e | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 30.0 | CH ₃ CN | O ₂ | 2 | 15 | 48 | 100 |
| 3 ^f | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 40.0 | CH ₃ CN | O ₂ | 2 | 15 | 72 | 100 |
| 4 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | 2 | 15 | 94 | 100 |
| 5 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | 2 | 10 | 57 | 100 |
| 6 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | 1 | 15 | 67 | 100 |
| 7 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | 3 | 15 | 90 | 100 |
| 8 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | - | 15 | 24 | 100 |
| 9 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | Solvent free | O ₂ | 2 | 15 | - | - |
| 10 ^g | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | H ₂ O/acetone | O ₂ | 2 | 15 | 84 | 100 |
| 11 ^h | Fe ₃ O ₄ @SiO ₂ /APTES 50.0 | CH ₃ CN | O ₂ | 2 | 15 | - | - |
| 12 ⁱ | Fe ₃ O ₄ @SiO ₂ /APTES/H ₂ L ^{DAR} 50.0 | CH ₃ CN | O ₂ | 2 | 15 | - | - |
| 13 ^l | Fe ₃ O ₄ @SiO ₂ /APTES/Fe ₂ L ^{DAR} 50.0 | CH ₃ CN | Ar | 2 | 15 | 74 | 100 |
| 14 ^m | FeCl ₃ 50.0 | CH ₃ CN | O ₂ | 2 | 15 | - | - |

Reaction conditions: Catalyst, Substrate (2 mmol), O₂ balloon, CH₃CN (2 mL), T = room temperature.

[a] Na₂SO₃ (2 mmol, 0.24 g).

[b] Isolated yield.

[c] Selectivity % = [(Product %) / (Products %)] × 100.

[d] In the absence of catalyst.

[e] 30.0 mg ≈ 0.9 mol%. [f] 40.0 mg ≈ 1.2 mol%. [g] 50.0 mg ≈ 1.5 mol%.

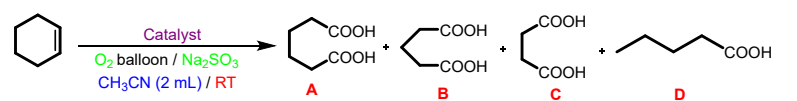
[h] Reference test in the presence of Fe₃O₄@SiO₂/APTES.

[i] Reference test in the presence of Fe₃O₄@SiO₂/APTES/H₂L^{DAR}.

[l] Reference test in the absence of O₂ balloon (under Ar atmosphere).

[m] Reference test in the presence of FeCl₃.

Table S4 Optimization for the oxidation of cyclohexene.



| Entry | Catalyst [mg] | Solvent | O ₂ /Ar | Na ₂ SO ₃ ^a | T [h] | Yield ^b [%] |
|----------------|-------------------|--------------------------|--------------------|--|-------|------------------------|
| 1 ^f | - | CH ₃ CN | O ₂ | 2 | 24 | - |
| 2 | 30.0 ^c | CH ₃ CN | O ₂ | 2 | 24 | 57 |
| 3 | 40.0 ^d | CH ₃ CN | O ₂ | 2 | 24 | 78 |
| 4 | 50.0 ^e | CH ₃ CN | O ₂ | 2 | 24 | 87 |
| 5 | 50.0 ^e | CH ₃ CN | O ₂ | 2 | 15 | 65 |
| 6 | 50.0 ^e | CH ₃ CN | O ₂ | 1 | 24 | 58 |
| 7 | 50.0 ^e | CH ₃ CN | O ₂ | - | 24 | - |
| 8 | 50.0 ^e | H ₂ O/acetone | O ₂ | 2 | 24 | 80 |
| 9 | 50.0 ^e | Toluene | O ₂ | 2 | 24 | - |
| 10 | 50.0 ^e | CHCl ₃ | O ₂ | 2 | 24 | - |
| 11 | 30.0 ^c | Solvent free | O ₂ | 2 | 24 | - |

Reaction conditions: Catalyst, Substrate (2 mmol), O₂ balloon, CH₃CN (2 mL), T= room temperature.

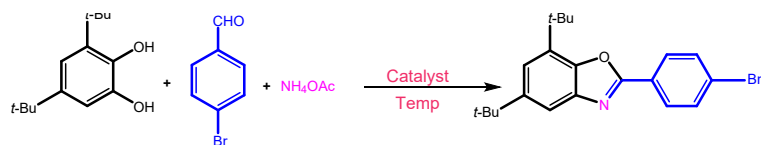
[a] Na₂SO₃ (2 mmol, 0.24 g).

[b] Isolated yield.

[c] 30.0 mg ≈ 0.9 mol% [d] 40.0 mg ≈ 1.2 mol% [e] 50.0 mg ≈ 1.5 mol%.

[f] In the absence of catalyst.

Table S5 Optimization of the reaction conditions for synthesis of 7, 5,7-Di-tert-butyl-2-(4-bromophenyl)benzo[d]oxazole.



| Entry | Catalyst/mol % | solvent | temp. | time (h) | Yield ^a (%) |
|-----------------|--|------------------|-------|----------|------------------------|
| 1 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | Solvent free | 25 | 24 | - |
| 2 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | Solvent free | 70 | 24 | 18 |
| 3 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 25 | 24 | 36 |
| 4 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 24 | 97 |
| 5 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 10 | 97 |
| 6 ^c | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 7 | 75 |
| 7 ^b | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /0.9 | H ₂ O | 70 | 10 | 79 |
| 8 ^d | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.5 | H ₂ O | 70 | 10 | 95 |
| 9 ^d | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.5 | H ₂ O | 70 | 7 | 71 |
| 10 ^e | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 10 | 84 |
| 11 ^f | Fe ₃ O ₄ @SiO ₂ -APTESFe ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 10 | 77 |
| 12 ^g | Fe ₃ O ₄ @SiO ₂ -APTESH ₂ L ^{DAR} /1.2 | H ₂ O | 70 | 10 | 17 |
| 13 ^h | Fe ₃ O ₄ @SiO ₂ -APTES/1.2 | H ₂ O | 70 | 10 | 8 |
| 14 ⁱ | FeCl ₃ /1.2 | H ₂ O | 70 | 10 | - |
| 15 | - | H ₂ O | 70 | 10 | - |

Reaction conditions: Catalyst, 3,5-di-tert-butylbenzene-1,2-diol (0.5 mmol), NH₄OAc (0.5 mmol) and 4-bromobenzaldehyde (0.5 mmol), H₂O (7 mL).

[a] Isolated yield.

[b] 30.0 mg ≈ 0.9 mol% [c] 40.0 mg ≈ 1.2 mol% [d] 50.0 mg ≈ 1.5 mol%.

[e] NH₄OAc (1 mmol) [f] NH₄OAc (2 mmol).

[g] Reference test in the presence of Fe₃O₄@SiO₂-APTES-H₂L^{DAR}.

[h] Reference test in the presence of Fe₃O₄@SiO₂-APTES.

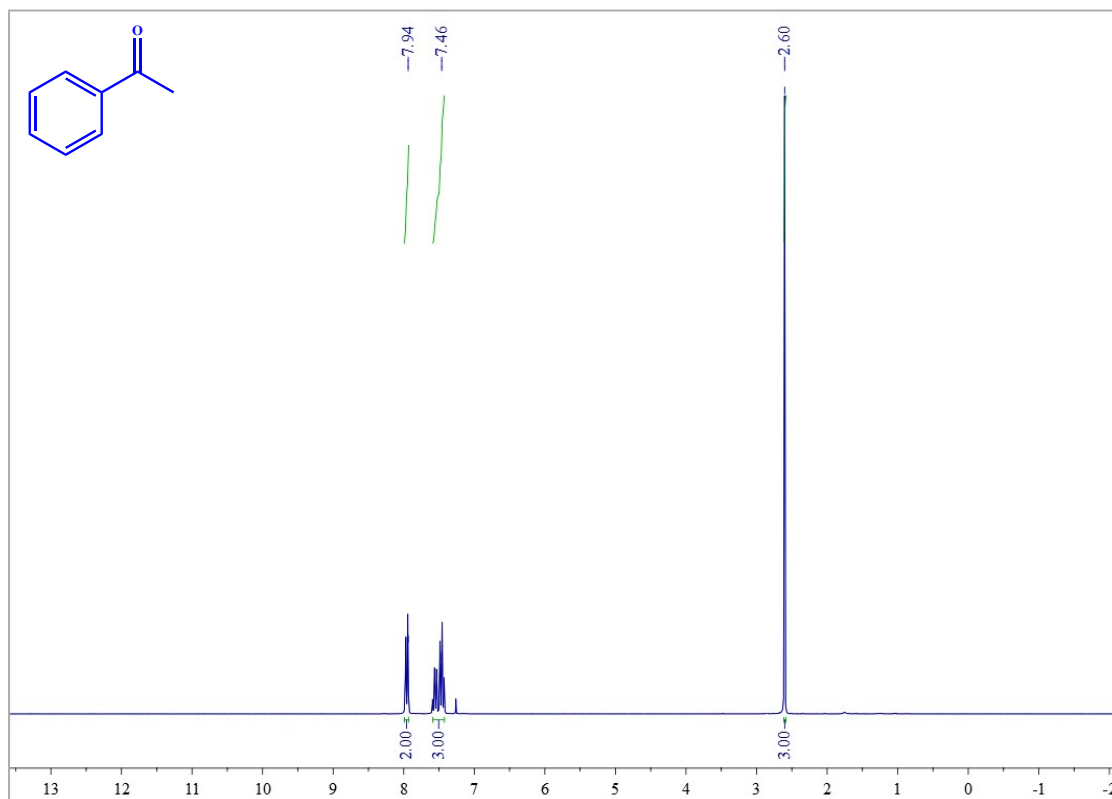
[i] Reference test in the presence of FeCl₃.

^1H NMR spectra for all synthesized compounds

C-H bond oxidation

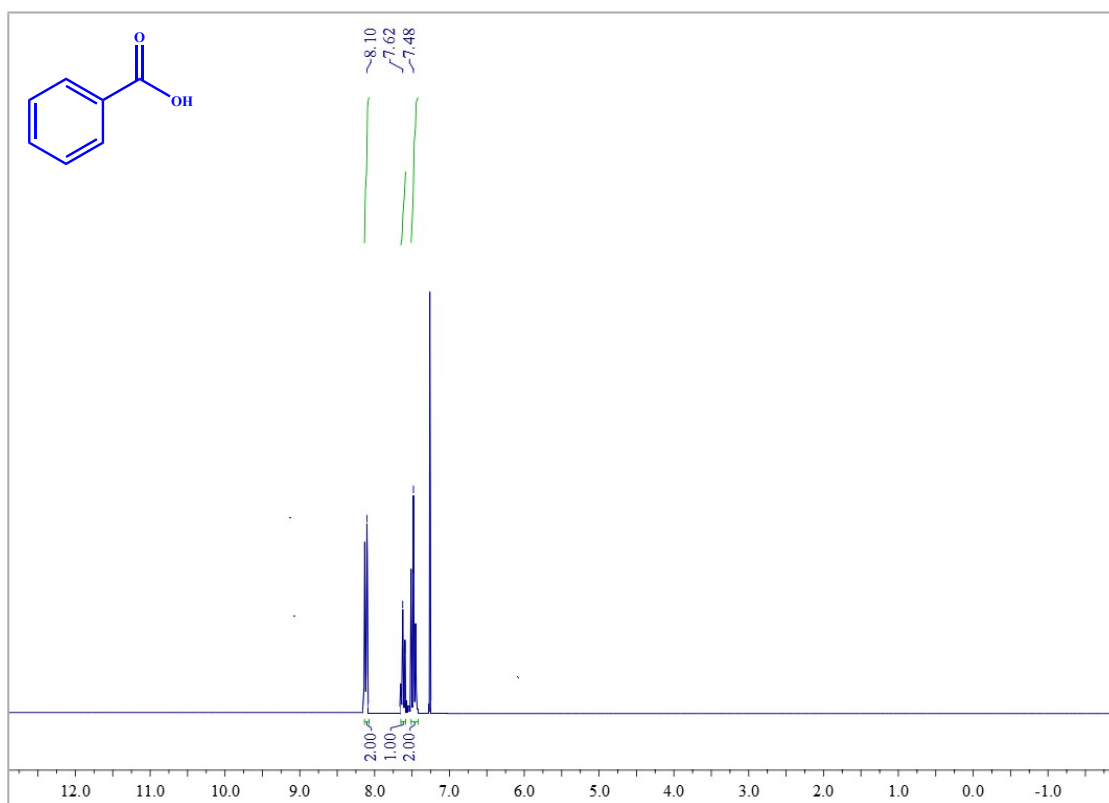
1. Acetophenone

^1H NMR (250 MHz, CDCl_3): δ (ppm) = 7.96-7.94 (m, 2H), 7.56-7.43 (m, 3H), 2.5 (s, 3H).



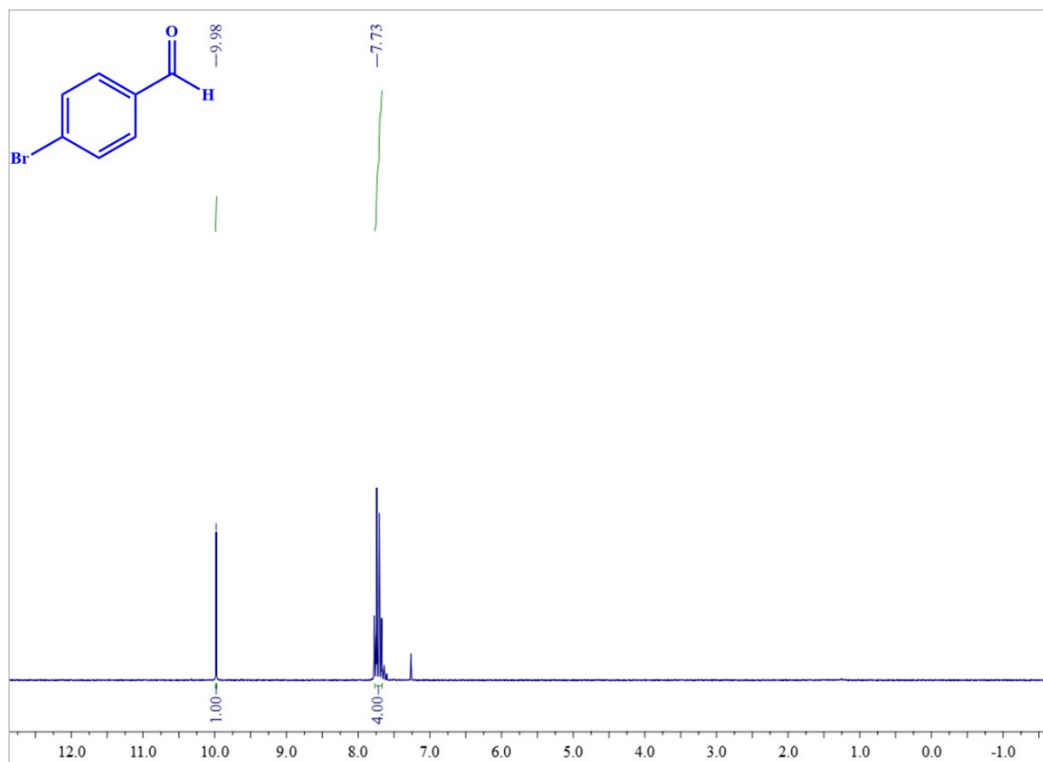
2. Benzoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 8.1 (d, J = 8 Hz, 2H), 7.62 (t, J = 8 Hz, 1H), 7.48 (t, J = 8 Hz, 2H).



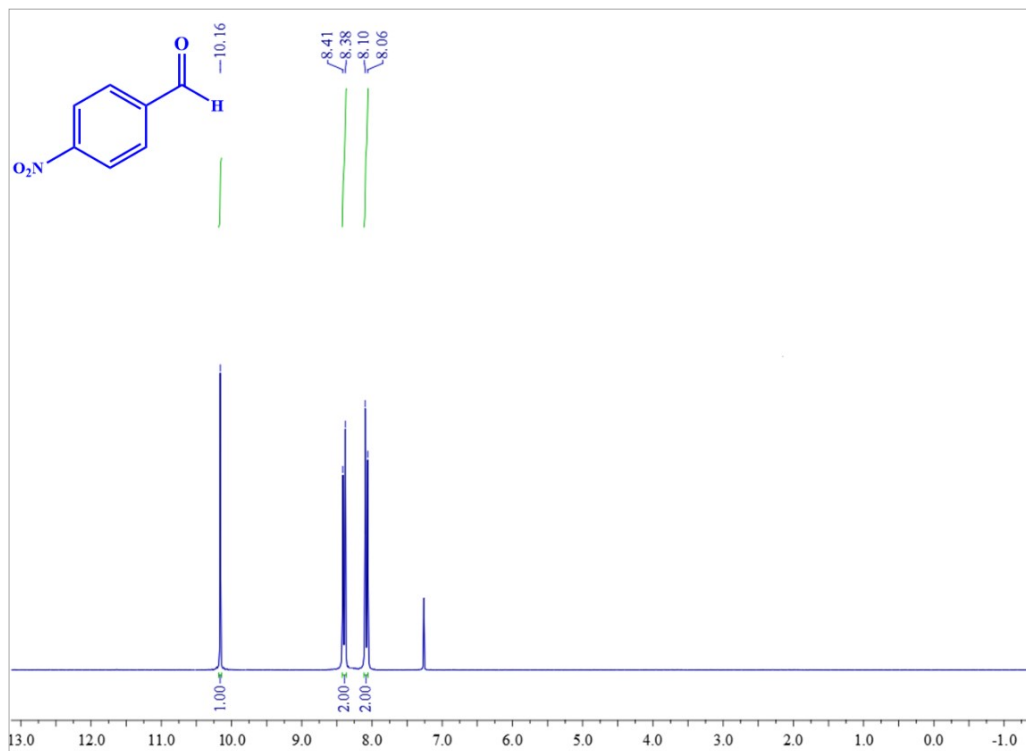
3. 4-Bromobenzaldehyde

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 9.98 (s, 1H), 7.73-7.64 (m, 4H).



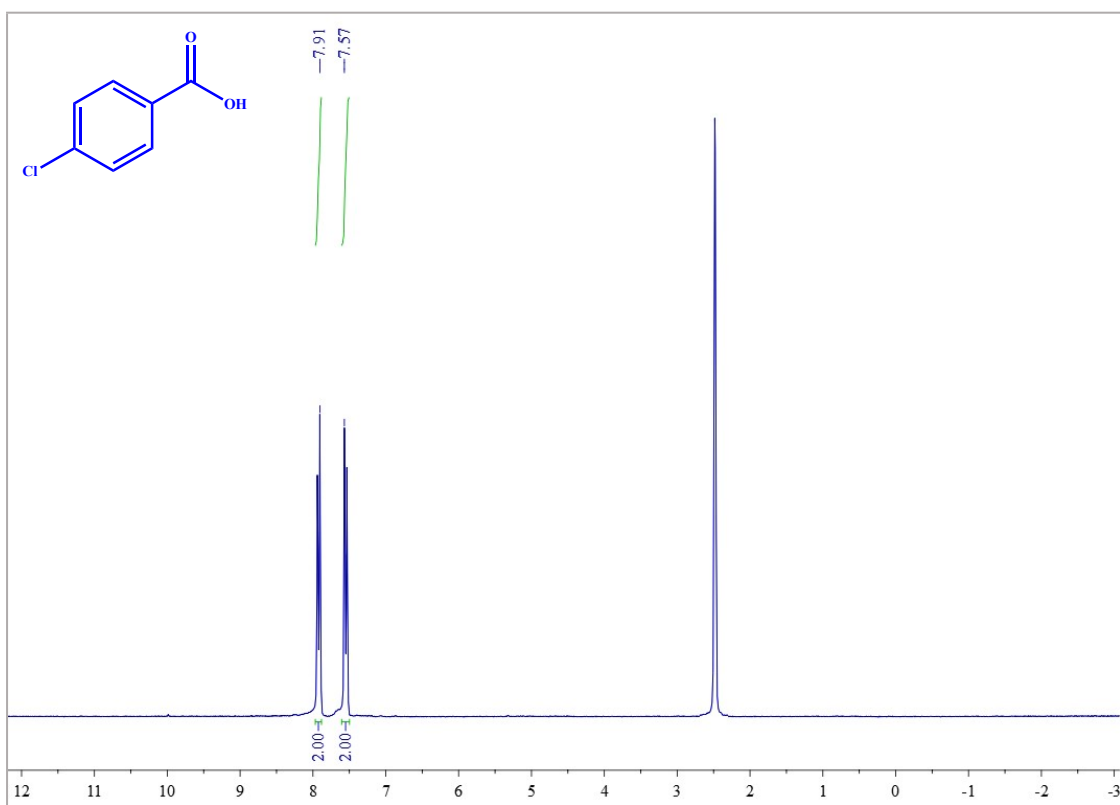
4. 4-Nitrobenzaldehyde

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 10.16 (s, 1H), 8.41-8.38 (d, d, J = 8 Hz, 2H), 8.10-8.06 (d, J = 8 Hz, 2H).



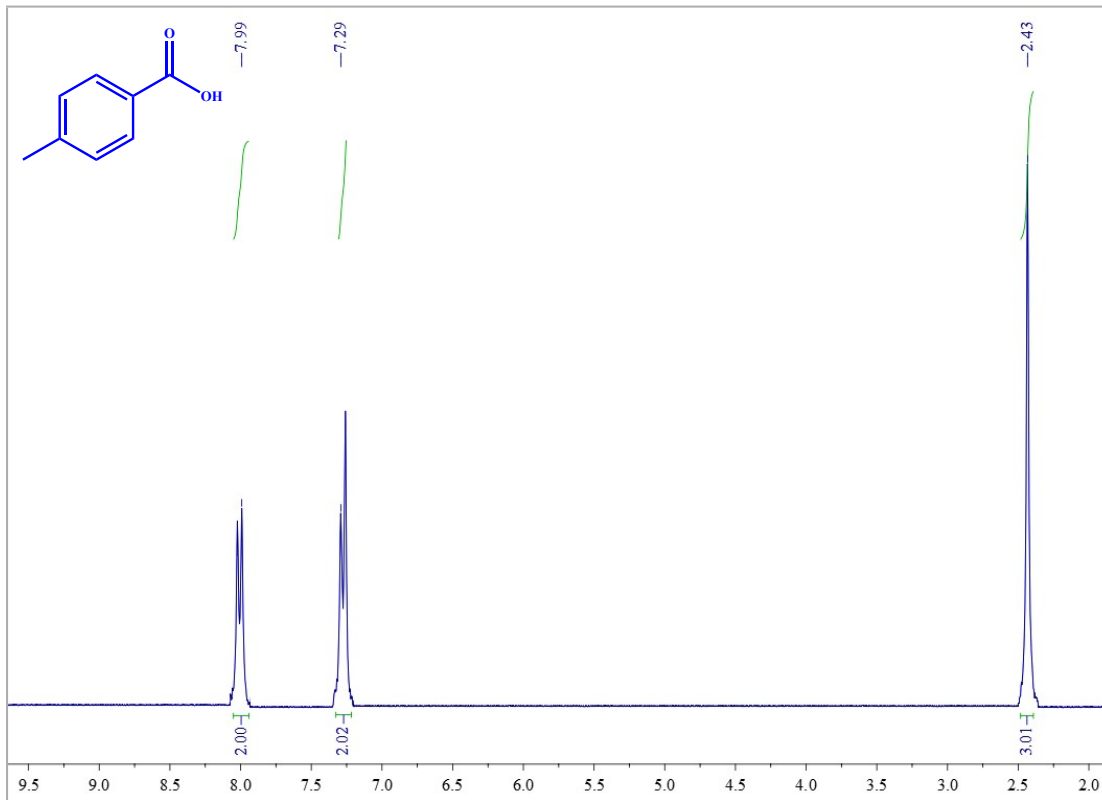
5. 4-Chlorobenzoic acid

$^1\text{H NMR}$ (250 MHz, d_6 -DMSO): δ (ppm) = 7.91 (d, J = 8 Hz, 2H), 7.57 (d, J = 8 Hz, 2H).



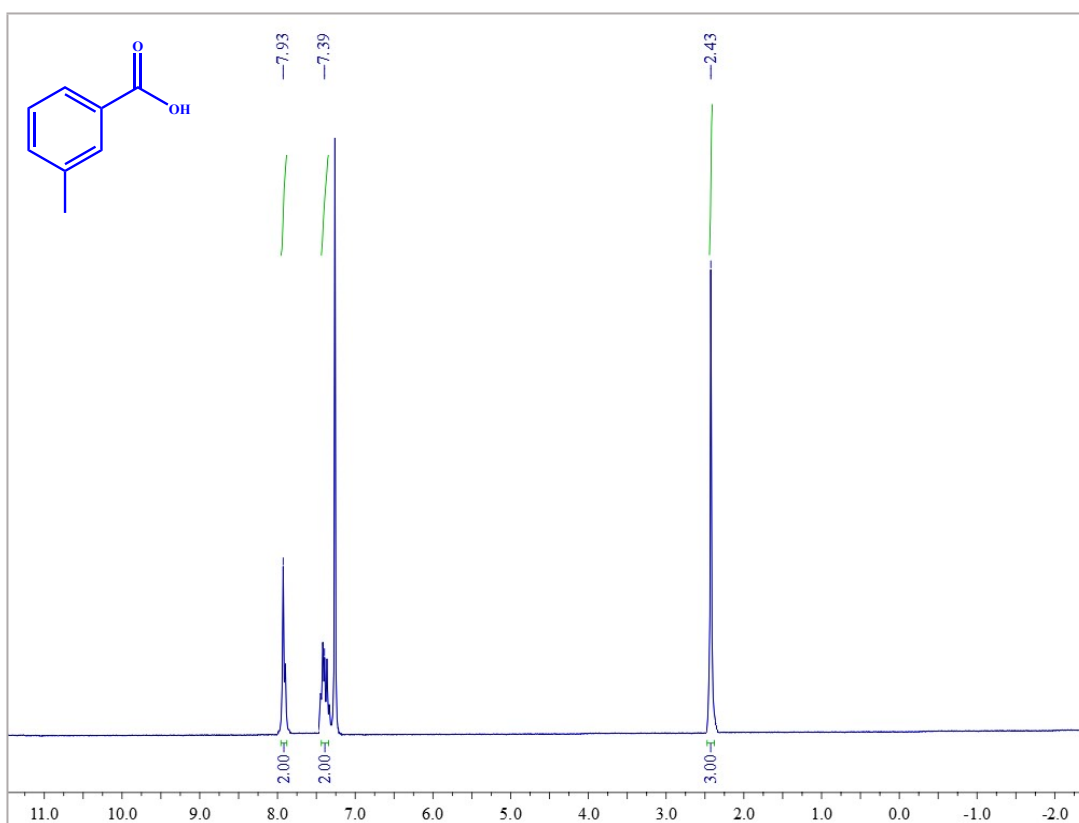
6. 4-Methylbenzoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 7.99 (d, J = 8 Hz, 2H), 7.629 (d, J = 8 Hz, 2H), 2.43 (s, 3H).



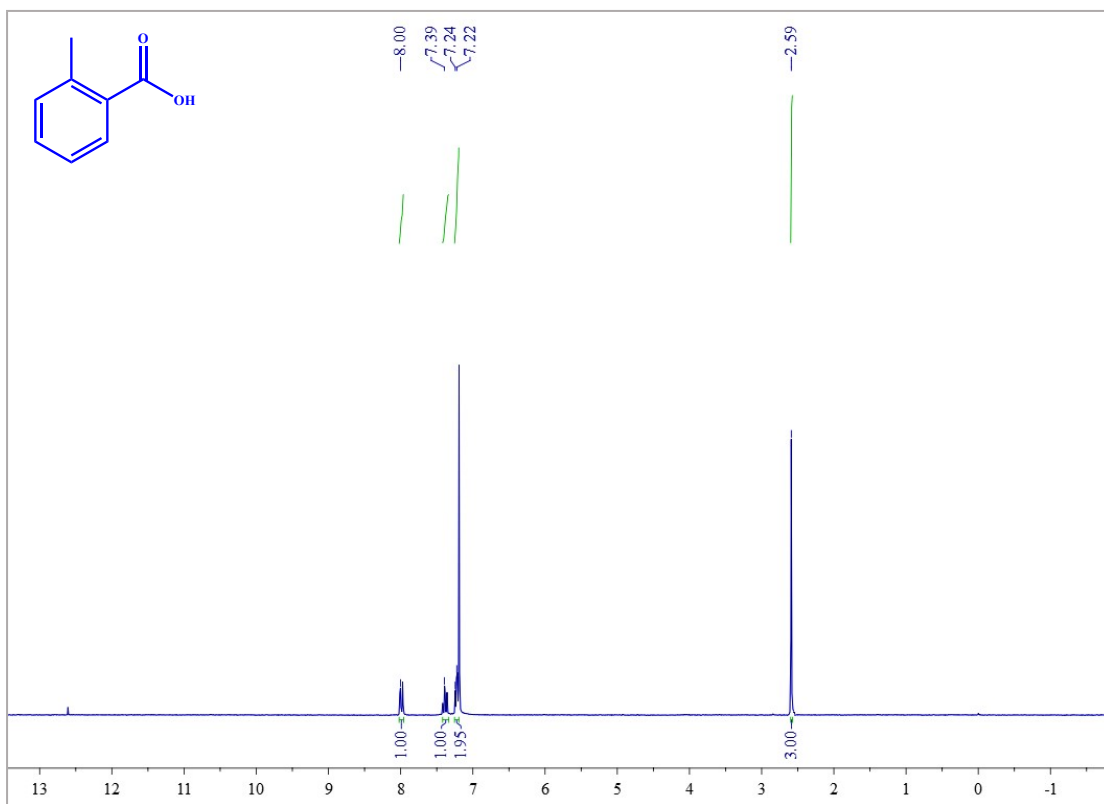
7. 3-Methylbenzoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 7.93 (d, J = 8 Hz, 2H), 7.39 (m, 2H), 2.43 (s, 3H).



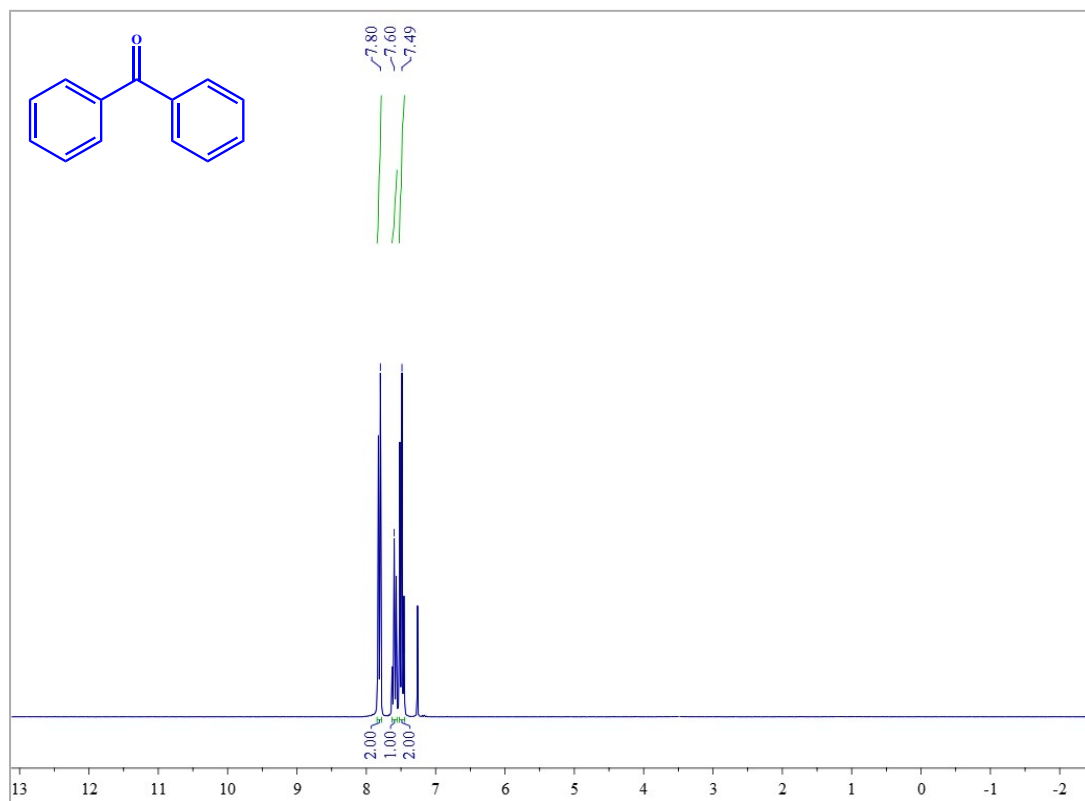
8. 2-Methylbenzoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 8 (d, J = 8 Hz, 1H), 7.39-7.22 (m, 3H), 2.59 (s, 3H).



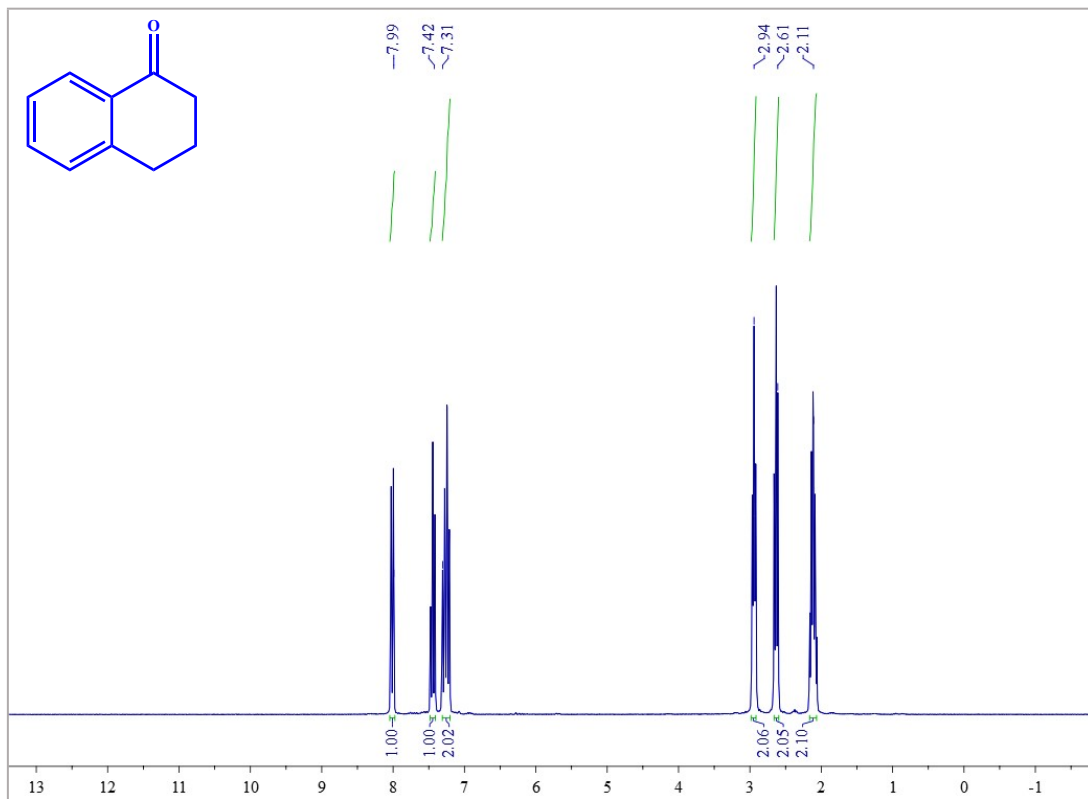
9. Benzophenone

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 7.80 (m, 2H), 7.60-7.49 (m, 3H).



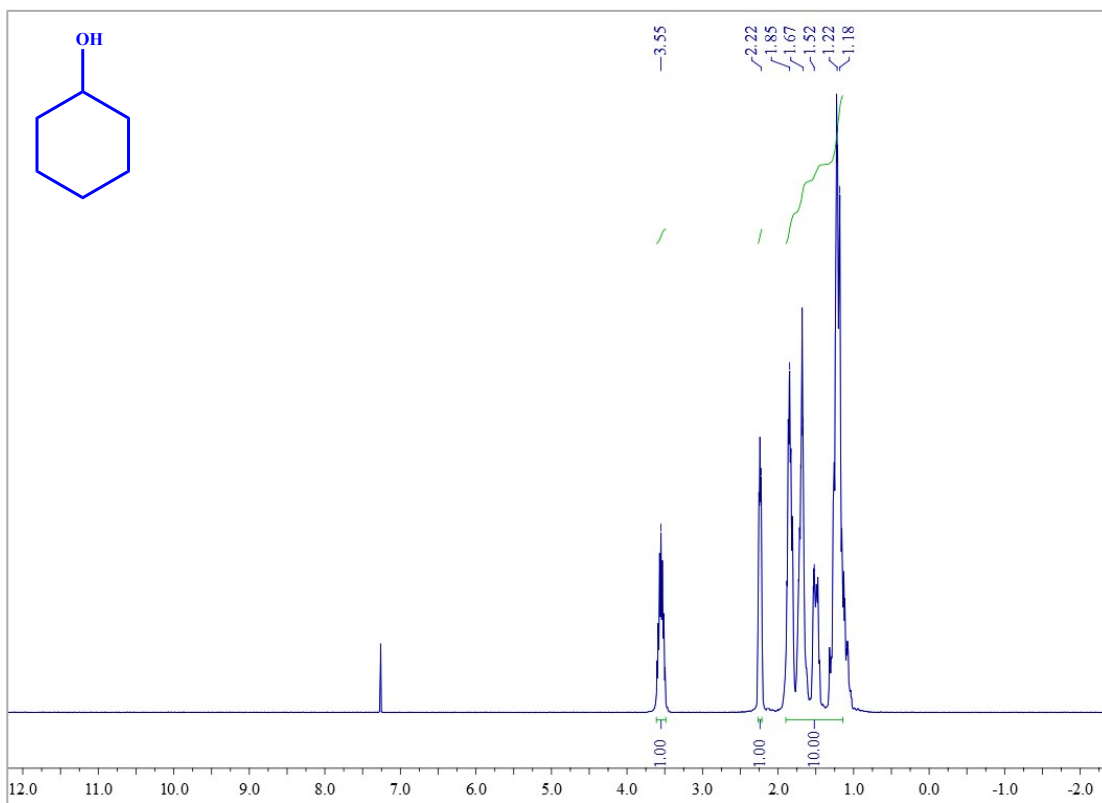
10. 1-Tetralone

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 7.99 (d, J = 8 Hz, 1H), 7.42 (m, 1H), 7.31 (m, 2H), 2.94 (m, 2H), 2.61 (m, 2H), 2.11 (m, 2H).



11. Cyclohexanol

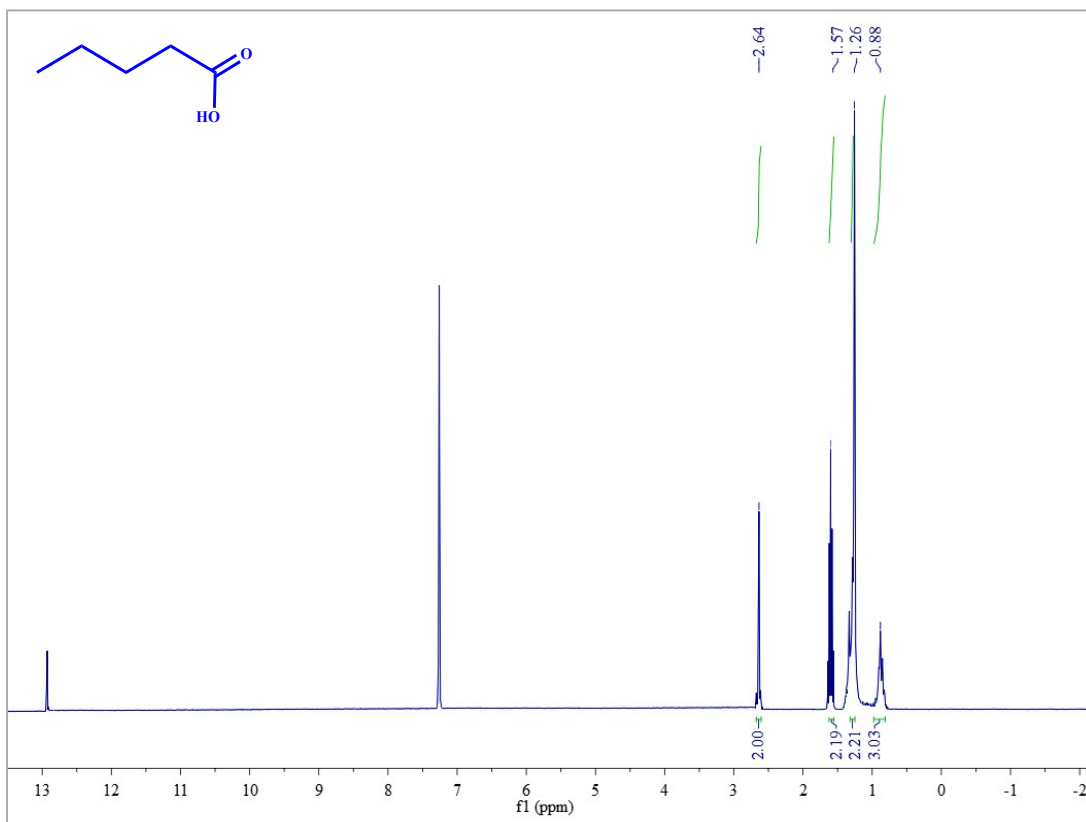
$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 3.55 (m, 1H), 2.22 (s, 1H), 1.18-1.55 (m, 10H).



C=C bond oxidation

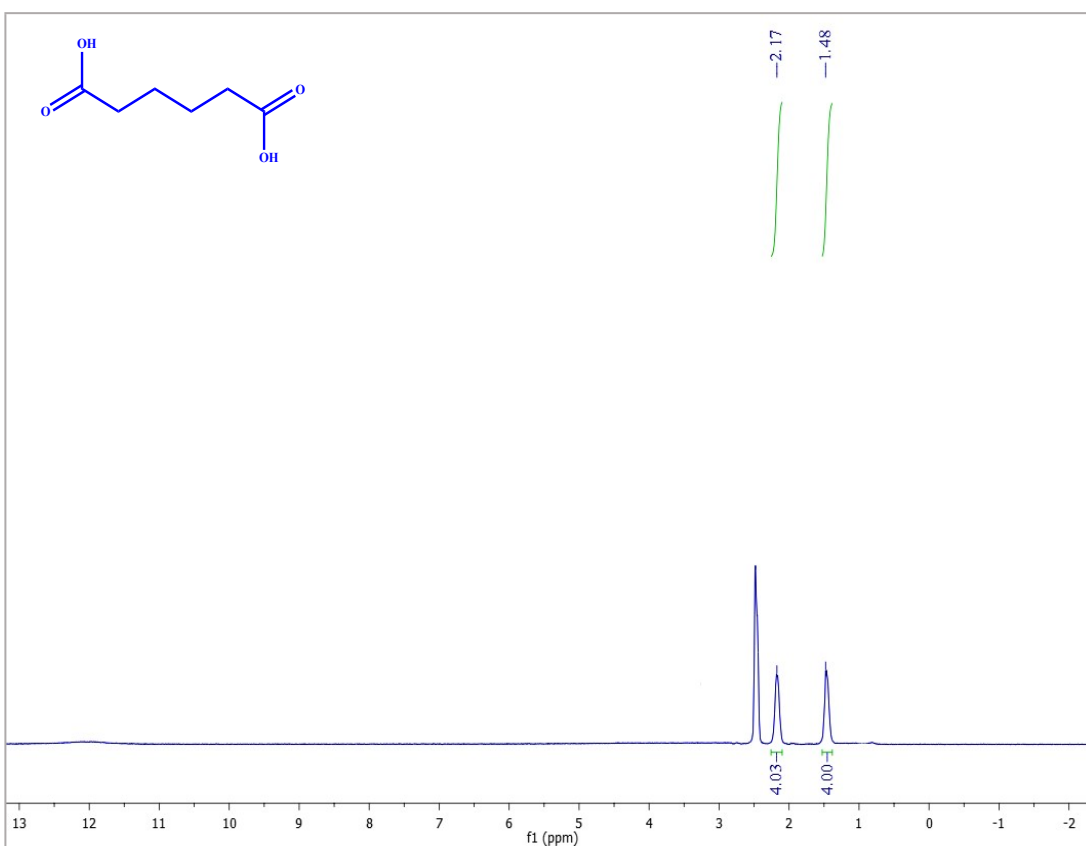
1. 1-Pentanoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.64 (m, 2H), 1.57 (m, 2H), 1.26 (m, 2H), 0.88 (m, 3H).



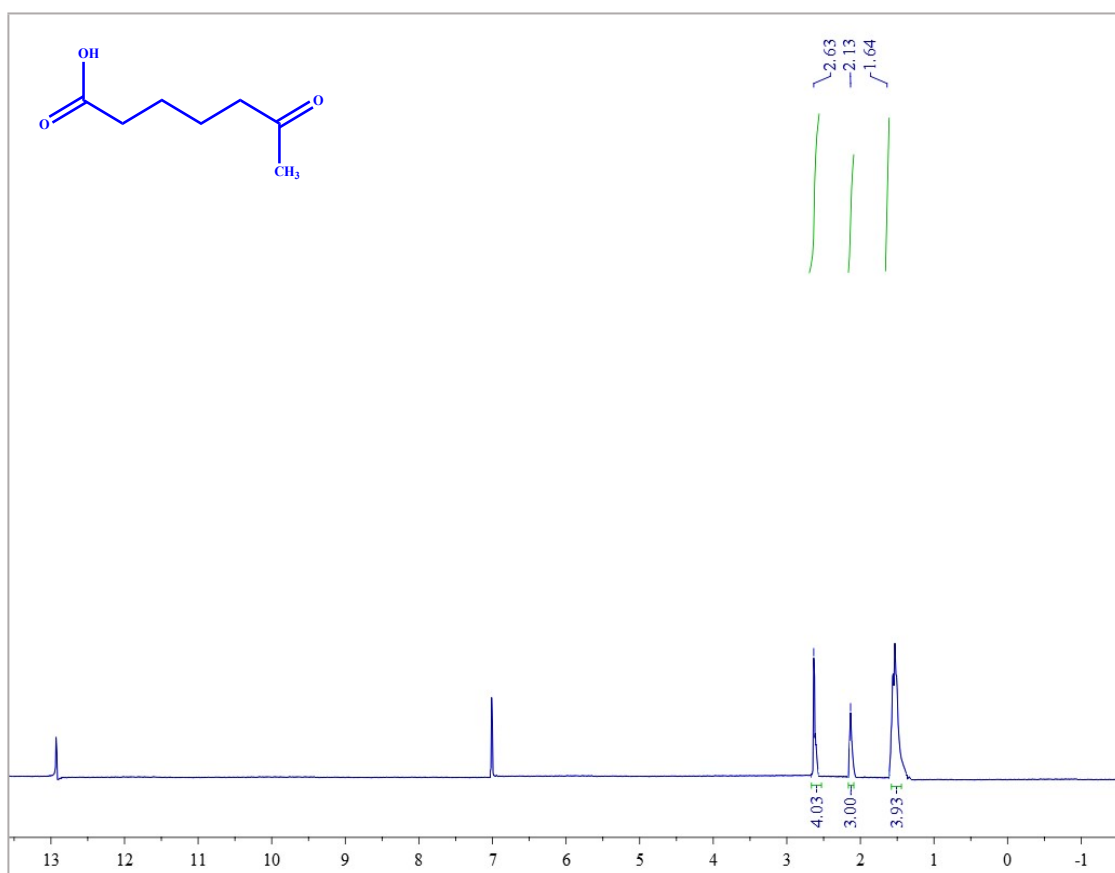
2. Adipic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.17 (m, 4H), 1.48 (m, 4H).



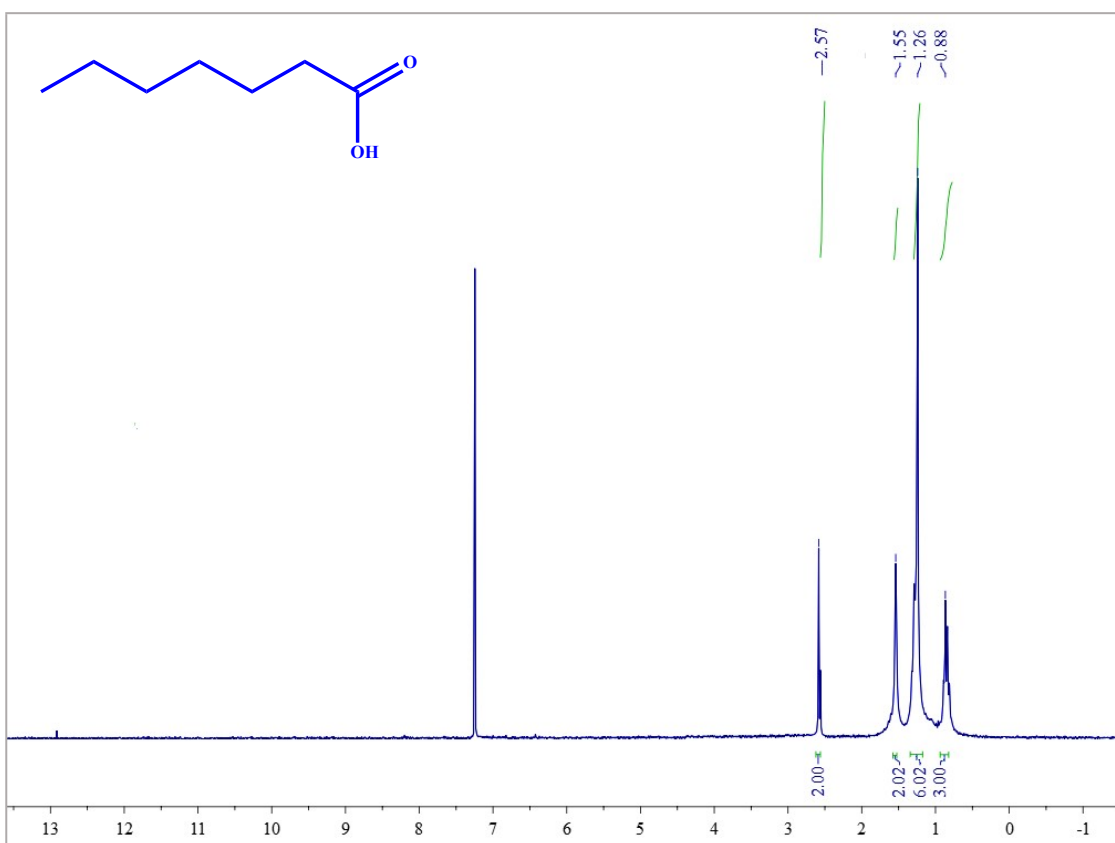
3. 6-Oxoheptanoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.63 (m, 4H), 2.13 (s, 3H), 1.64 (m, 4H).



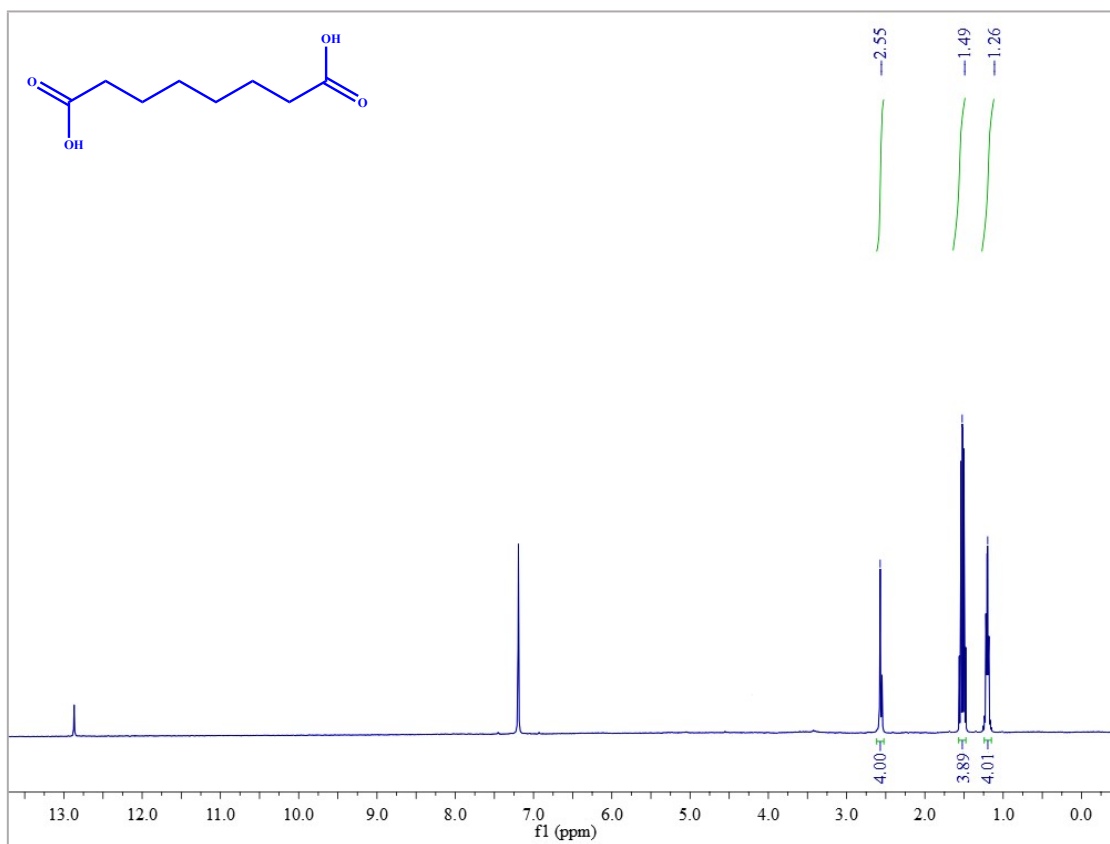
4. Heptanoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.57 (m, 2H), 1.55 (m, 2H), 1.26 (m, 6H), 0.88 (m, 3H).



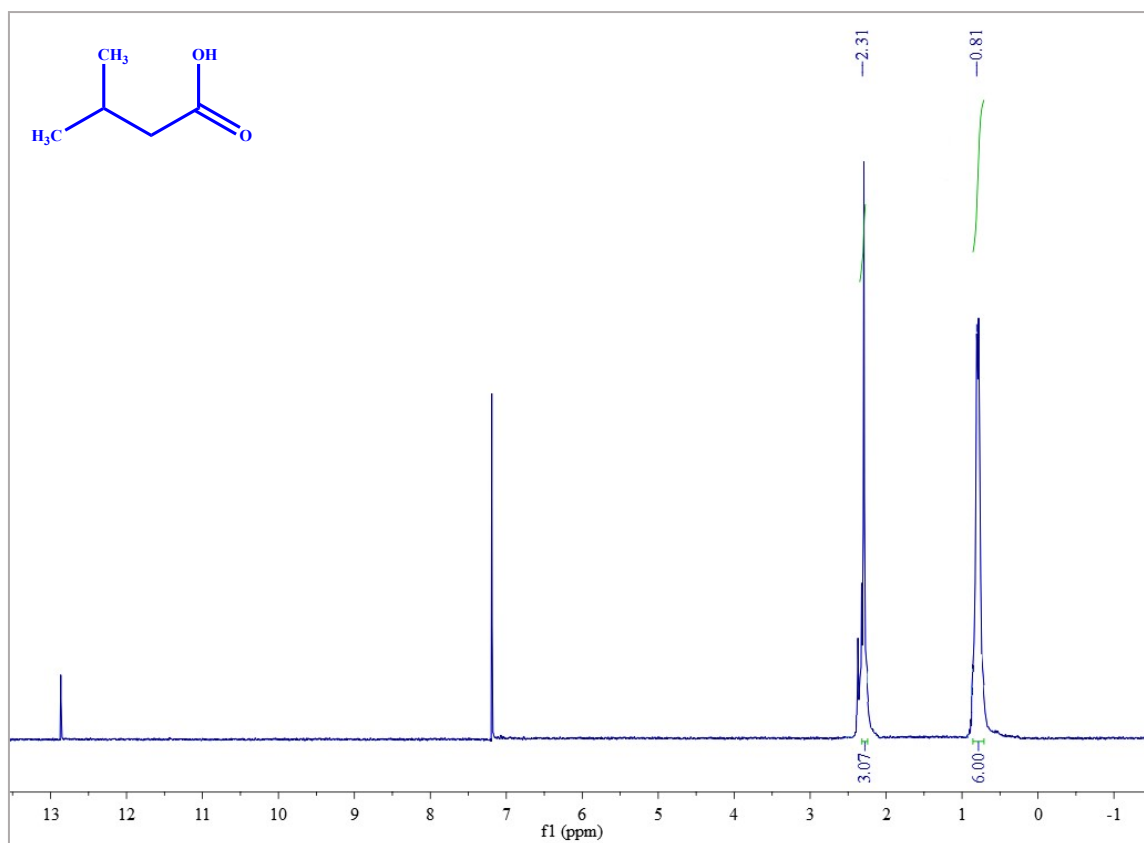
5. Octanedioic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.55 (m, 4H), 1.49 (m, 4H), 1.26 (m, 4H).



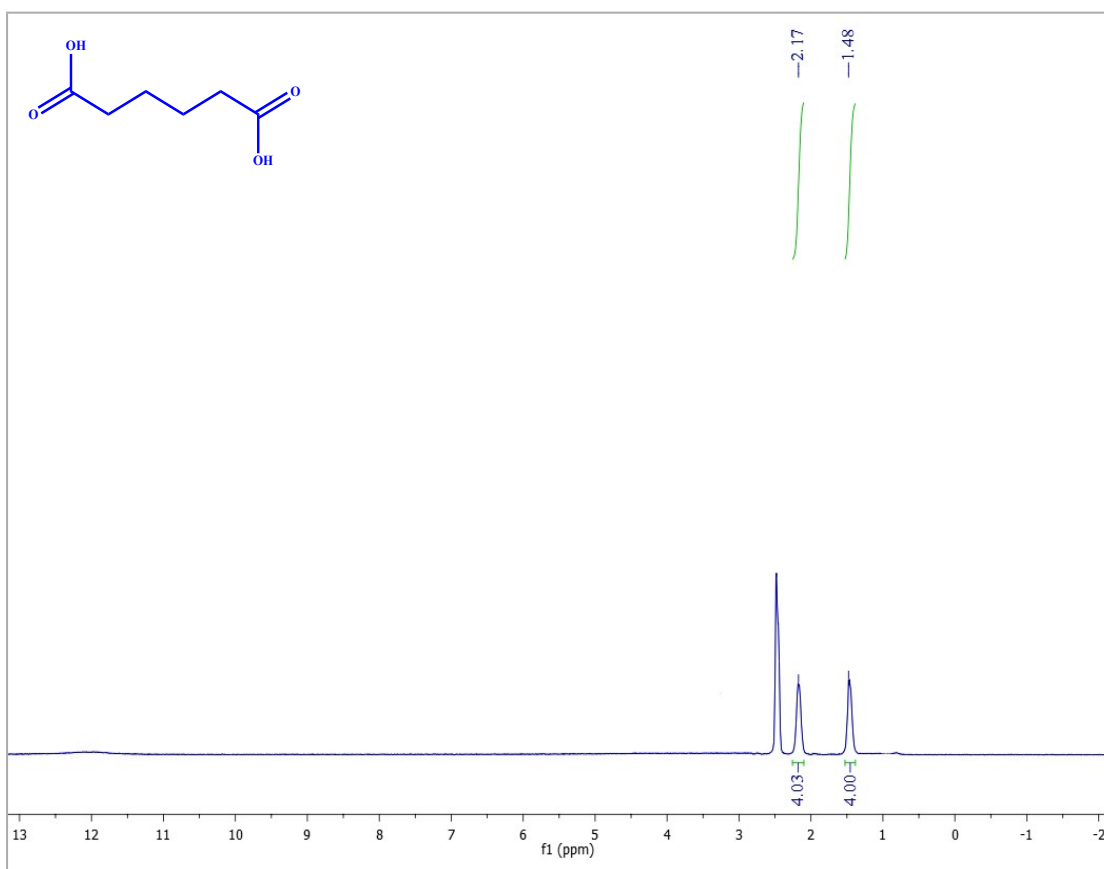
6. 3-Methylbutanoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.31 (m, 3H), 0.81 (m, 6H).



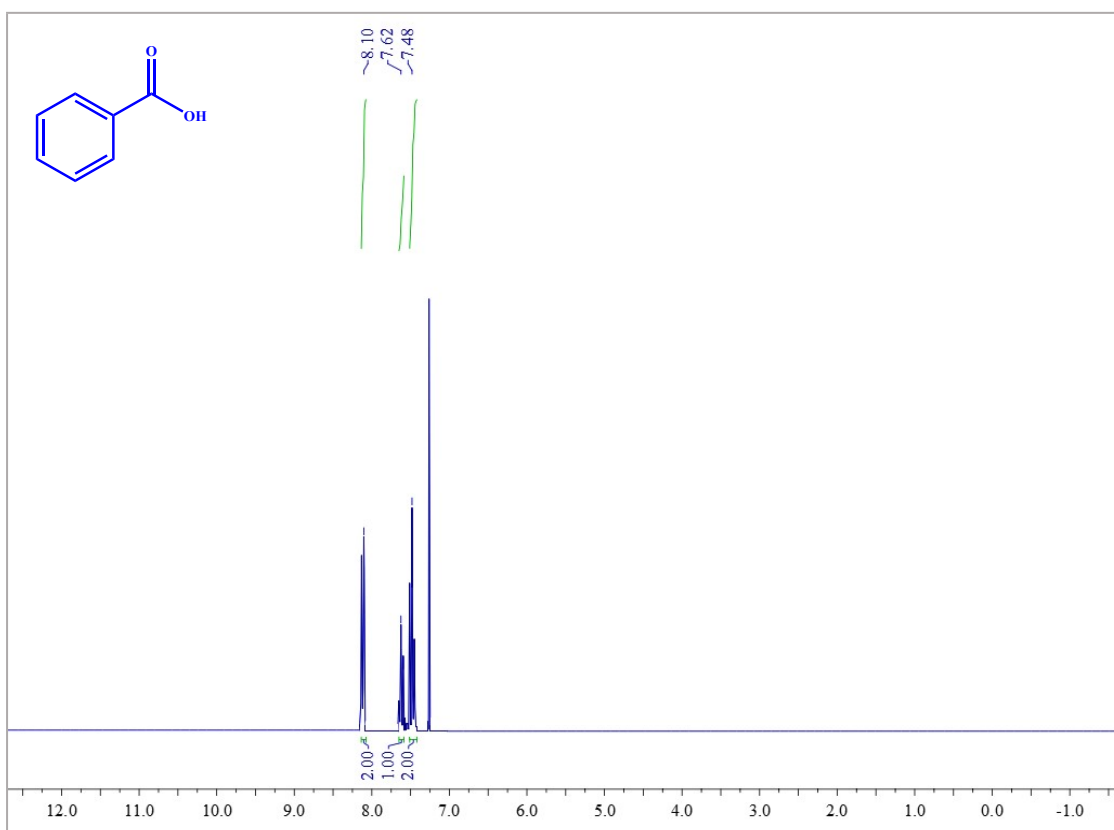
7. Adipic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 2.17 (m, 4H), 1.48 (m, 4H).



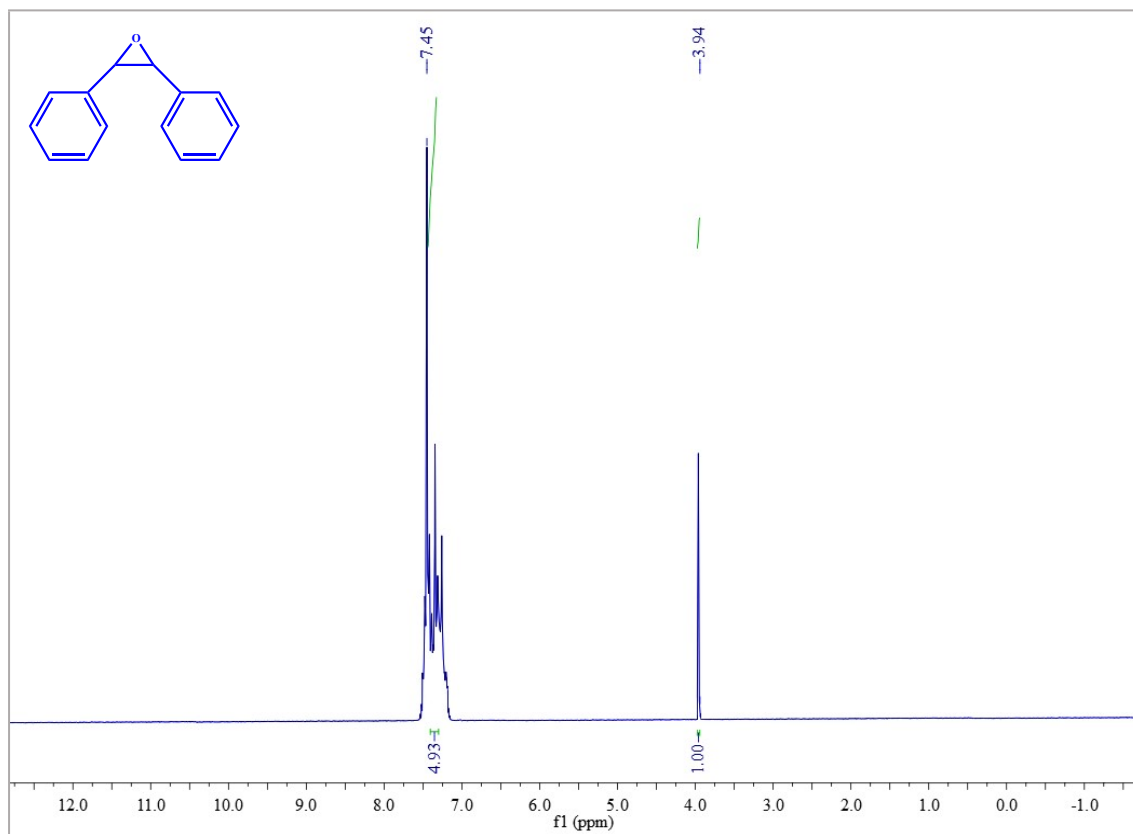
8. Benzoic acid

$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 8.1 (d, $J = 8$ Hz, 2H), 7.62 (t, $J = 8$ Hz, 1H), 7.48 (t, $J = 8$ Hz, 2H).



9. Cis-stilben oxide

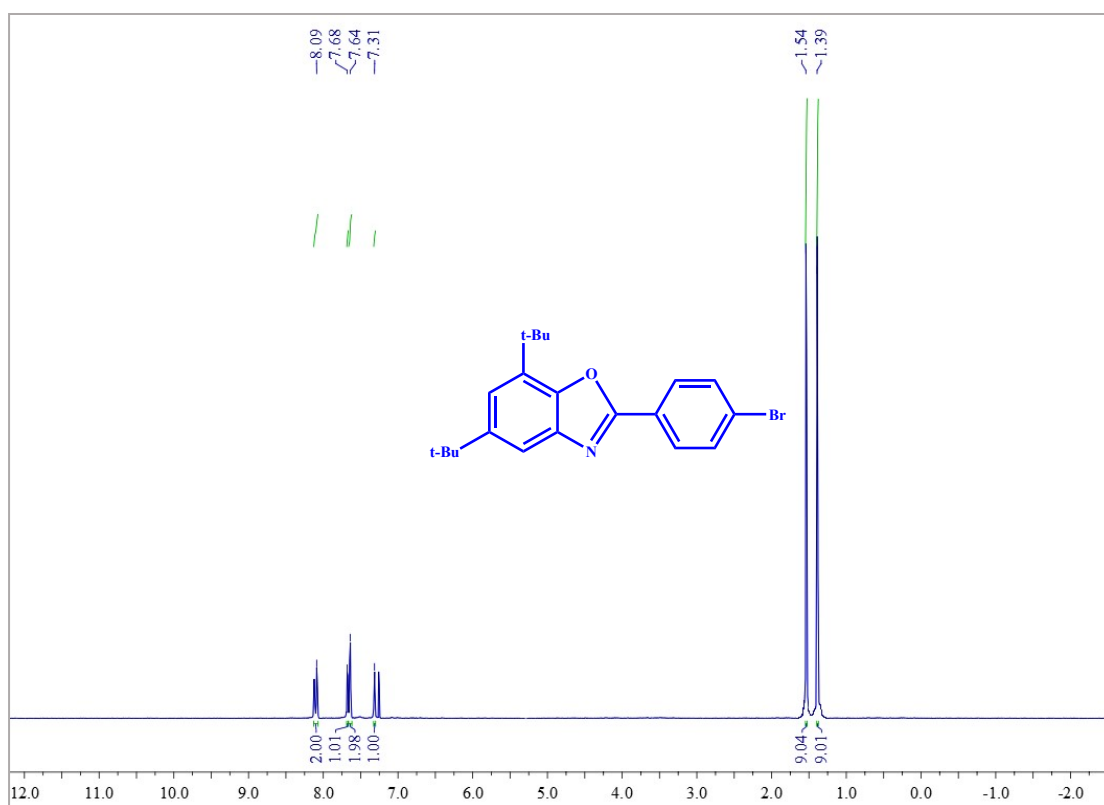
$^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 7.45 (m, 10H), 3.94 (s, 2H).



Benzoxazoles NMR

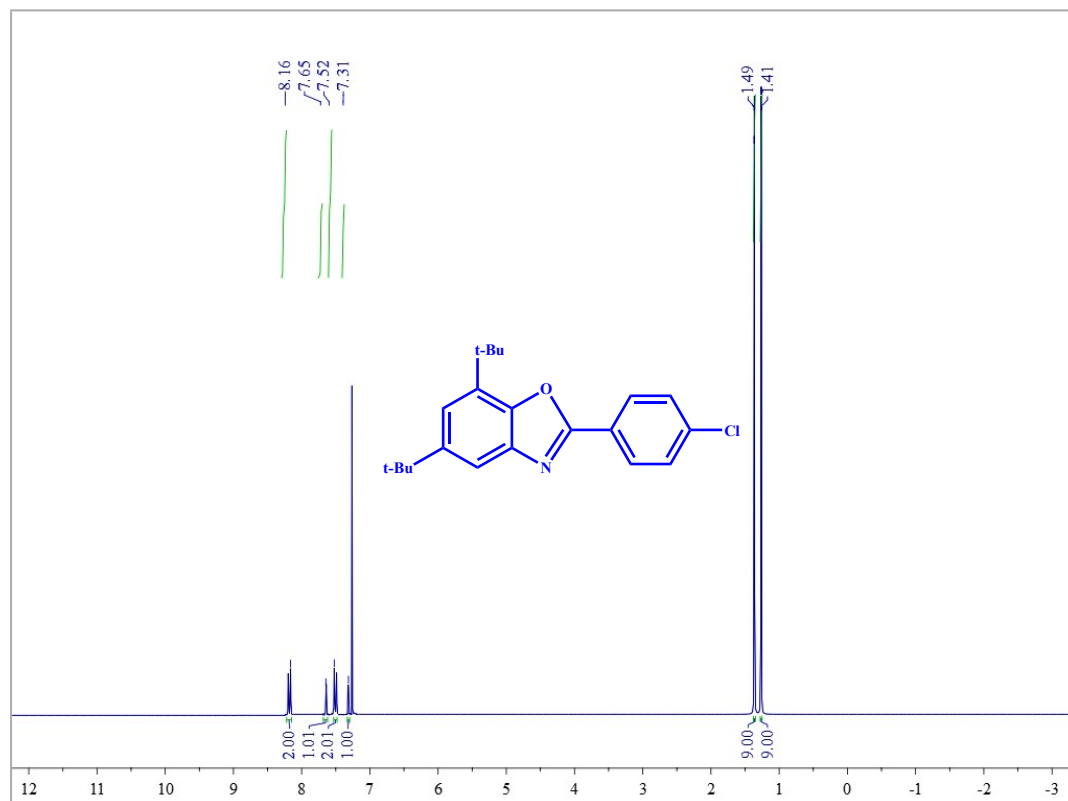
1. 5,7-Di-tert-butyl-2-(4-bromophenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 327 mg, 97%. Pale yellow liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.39 (s, 9H), 1.54 (s, 9H), 7.31 (d, $J = 2.5$ Hz, 1H), 7.64 (d, $J = 7.5$ Hz, 2H), 7.68 (d, $J = 2.5$ Hz, 1H), 8.09 (d, $J = 7.5$ Hz, 2H).



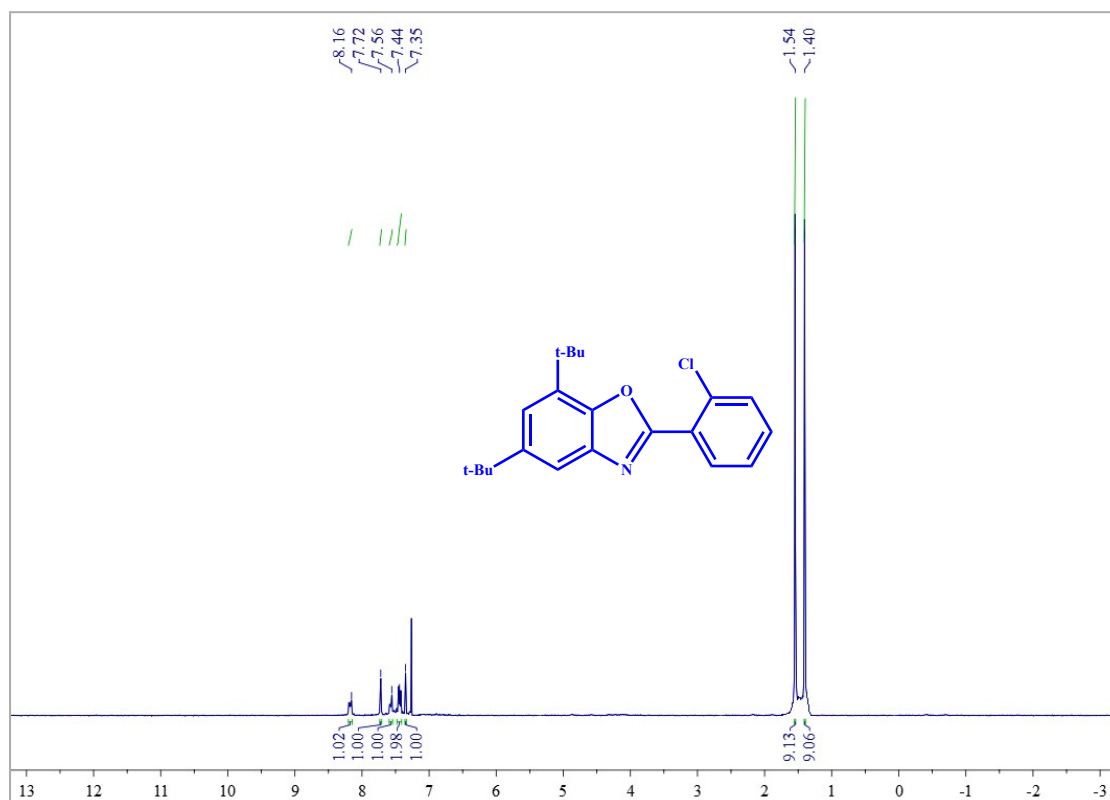
2,5,7-Di-tert-butyl-2-(4-chlorophenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 321 mg, 94%. Colorless liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.41 (s, 9H), 1.49 (s, 9H), 7.31 (d, $J=2.5$ Hz, 1H), 7.65 (d, $J=2.5$ Hz, 1H), 7.52 (d, $J=7.5$ Hz, 2H), 8.16 (d, $J=7.5$ Hz, 2H).



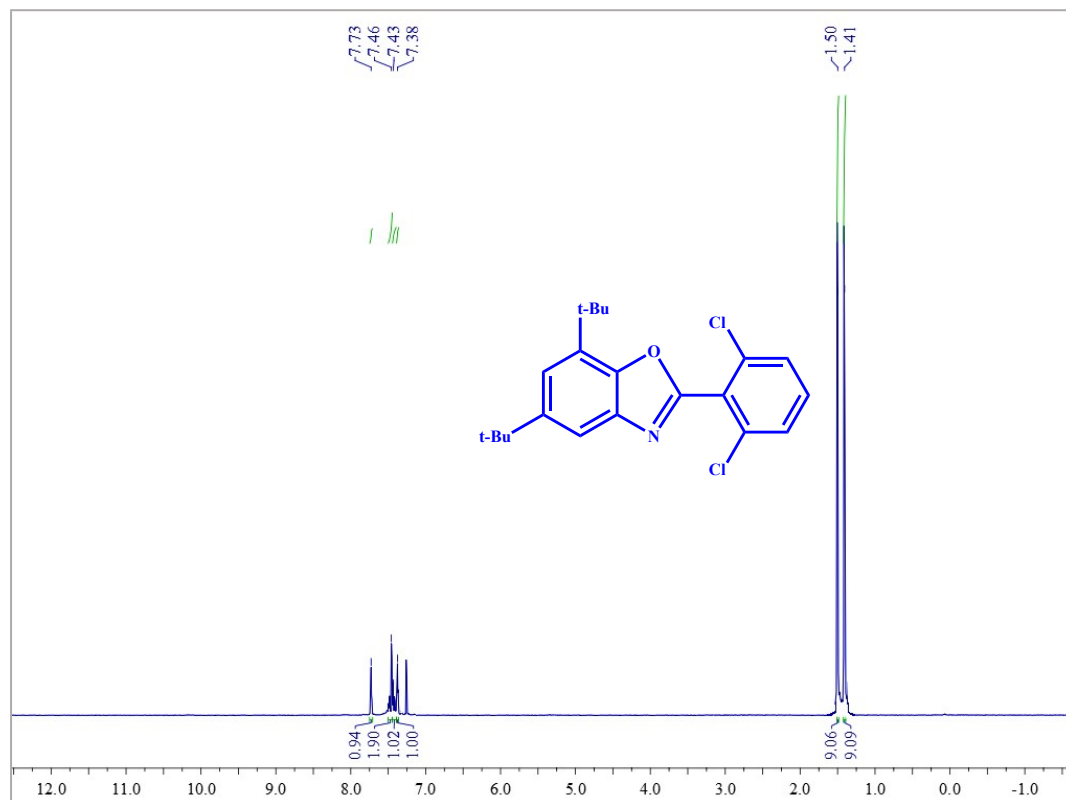
3, 5,7-Di-tert-butyl-2-(2-chlorophenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 321 mg, 92%. Colorless liquid; ^1H NMR (250 MHz, CDCl_3): δ (ppm) = 1.40 (s, 9H), 1.54 (s, 9H), 7.35 (d, $J=2.5$ Hz, 1H), 7.44 (m, 2H), 7.56 (d, $J=7.5$ Hz, 1H), 7.72 (d, $J=2.5$ Hz, 1H), 8.16 (d, $J=7.5$ Hz, 1H).



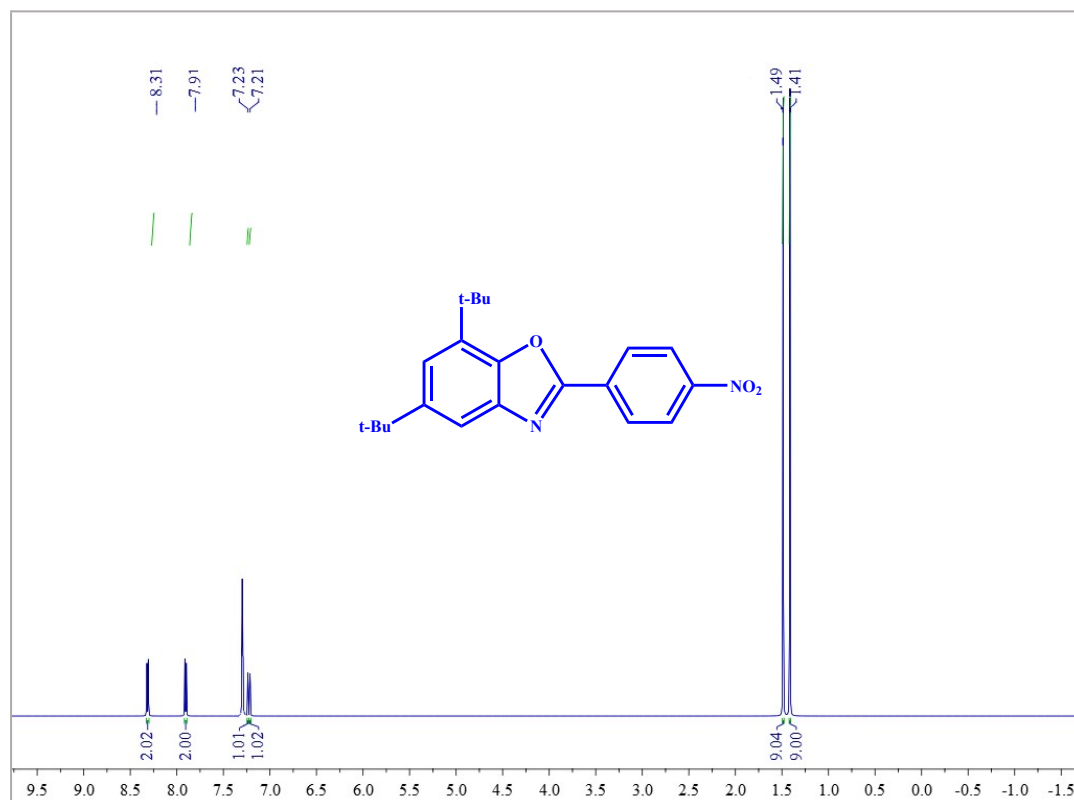
4. 5,7-Di-tert-butyl-2-(2,6-dichlorophenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 330 mg, 90%. Colorless liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.41 (s, 9H), 1.50 (s, 9H), 7.38-7.46 (m, 4H), 7.73 (d, $J=2.5$ Hz, 1H).



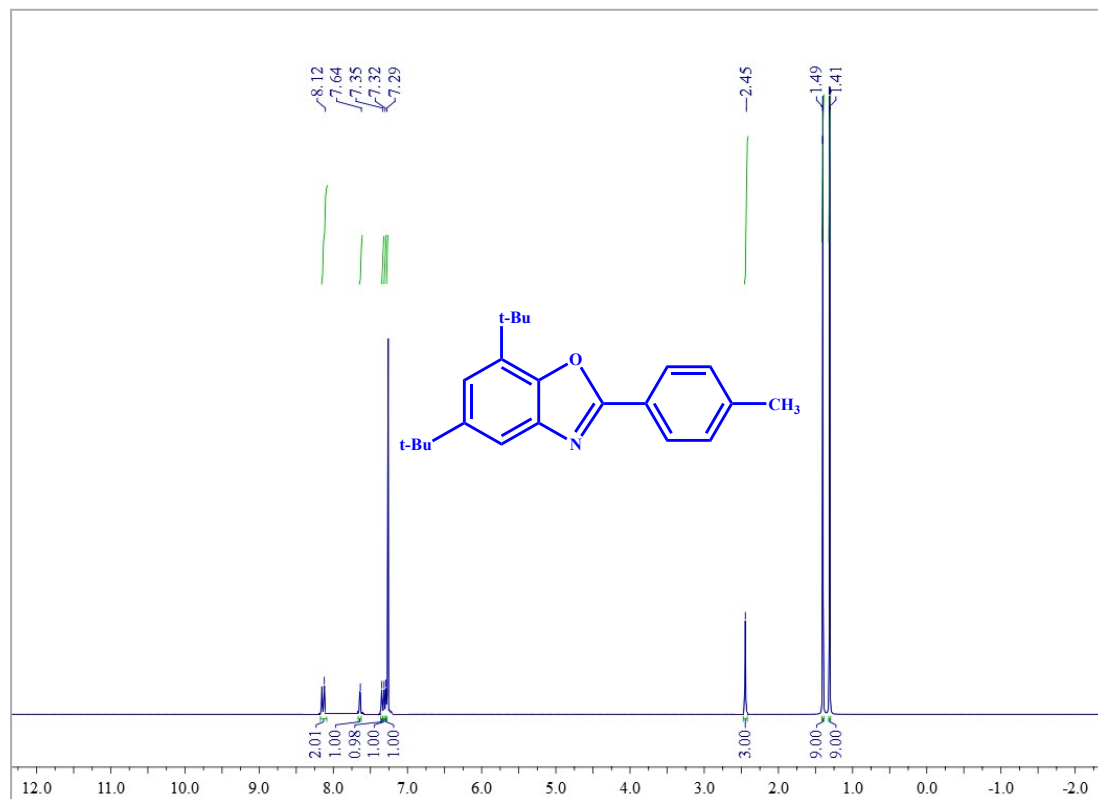
5. 5,7-Di-tert-butyl-2-(4-nitrophenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 287 mg, 88%. Pale yellow liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.41 (s, 9H), 1.49 (s, 9H), 7.21 (d, J = 2.5 Hz, 1H), 7.23 (d, J = 2.5 Hz, 1H), 7.91 (d, J = 7.5 Hz, 2H), 8.31 (d, J = 7.5 Hz, 2H).



6. 5,7-Di-tert-butyl-2-(p-tolyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 293 mg, 80%. Pale yellow liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.41 (s, 9H), 1.49 (s, 9H), 2.45 (s, 3H), 7.29 (d, $J = 4$ Hz, 1H), 7.32-7.35 (d, $J = 8$ Hz, 2H), 7.64 (d, $J = 4$ Hz, 1H), 8.12 (d, $J = 8$ Hz, 2H).



7. 5,7-Di-tert-butyl-2-(4-methoxyphenyl)benzo[d]oxazole

Refined by column chromatography on silica gel and laundered with ethyl acetate/n-hexane (1:100). Isolated yield: 154 mg, 78%. Colorless liquid; $^1\text{H NMR}$ (250 MHz, CDCl_3): δ (ppm) = 1.41 (s, 9H), 1.49 (s, 9H), 3.81 (s, 3H), 7.05 (d, J = 9 Hz, 2H), 7.17 (s, 1H), 7.21 (s, 1H), 7.63 (d, J = 9 Hz, 2H).

