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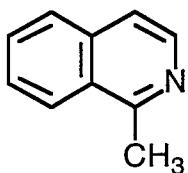
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**1.4**

Reference: Bergstrom, F. W.; McAllister, S. H. *J. Am. Chem. Soc.* **1930**, 52, 2848.

<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 1.42 (t, J = 7.53 Hz, 3H), 3.30 (q, J = 7.56 Hz, 2H), 7.49 (d, J = 5.76 Hz, 1H), 7.59 (m, 2H), 7.81 (d, J = 7.93 Hz, 1H), 8.15 (d, J = 8.39 Hz, 1H), 8.43 (d, J = 5.71 Hz, 1H).



**1.5**

Reference: Boekelheide, V.; Weinstock, J. *J. Am. Chem. Soc.* **1952**, 74, 660.

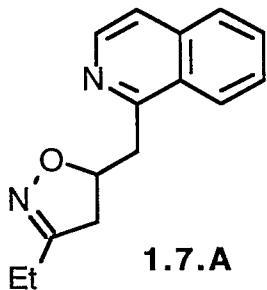
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 2.97 (s, 3H), 7.50 (d, J = 5.76 Hz, 1H), 7.60 (m, 2H), 7.80 (d, J = 7.79 Hz, 1H), 8.11 (d, J = 7.62 Hz, 1H), 8.38 (d, J = 5.79 Hz, 1H).



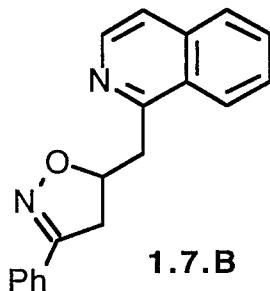
**1.6**

Reference: Boekelheide, V.; Weinstock, J. *J. Am. Chem. Soc.* **1952**, 74, 660.

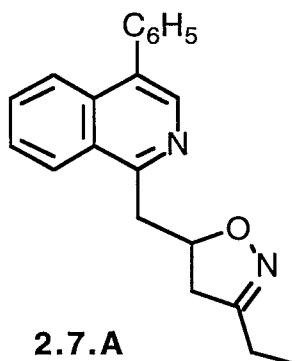
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 4.21 (s, 3H), 7.15 (m, 5H), 7.46 (m, 3H), 7.63 (d, J = 8.90 Hz, 1H), 7.99 (d, J = 7.60 Hz, 1H), 8.36 (d, J = 5.75 Hz, 1H).



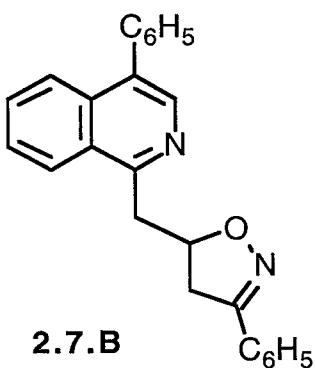
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 1.04 (t, J = 7.59 Hz, 3H), 2.25 (q, J = 7.49 Hz, 2H), 2.80 (ddd, J = 7.03 Hz, 1H), 2.87, (ddd, J = 9.92 Hz, 1H), 3.32 (ddd, J = 8.14 Hz, 1H), 3.73 (ddd, J = 5.26 Hz, 1H), 5.12 (m, 1H), 7.47, (d, J = 5.75 Hz, 1H), 7.53 (m, 2H), 7.74, (d, J = 7.70 Hz, 1H), 8.12 (d, J = 7.93 Hz, 1H), 8.36 (d, J = 5.71 Hz, 1H).



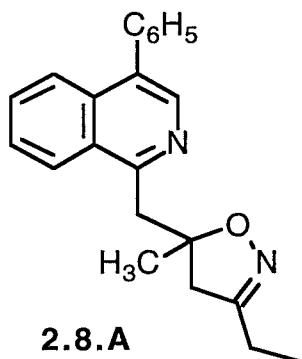
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 3.21 (dd, J = 7.34 Hz, 1H), 3.41 (m, 2H), 3.83 (dd, J = 5.27 Hz, 1H), 5.37 (m, 1H), 7.30 (m, 3H), 7.50 (d, J = 5.87 Hz, 1H), 7.58 (m, 4H), 7.75 (d, J = 7.59 Hz, 1H), 8.12 (d, J = 8.48 Hz, 1H), 8.37 (d, J = 5.74 Hz, 1H).



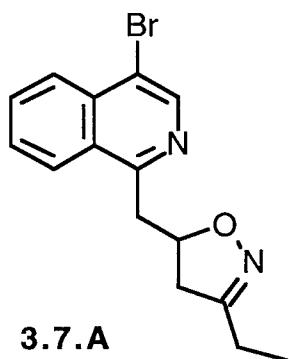
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 1.05 (t, J = 4.80 Hz, 3H), 2.26 (q, J = 7.55 Hz, 2H), 2.84 (ddd, J = 7.10 Hz, 1H), 3.01 (ddd, J = 9.95 Hz, 1H), 3.34 (ddd, J = 8.05, 1H), 3.77 (ddd, J = 5.33 Hz, 1H), 5.16 (m, 1H), 7.36, (m, 5H), 7.55 (m, 2H), 7.81, (d, J = 7.73 Hz, 1H), 8.17 (d, J = 7.96 Hz, 1H), 8.36 (s, 1H).



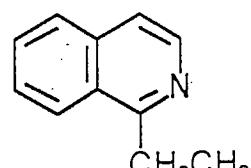
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 3.26 (ddd, J = 7.52 Hz, 1H), 3.46 (m, 2H), 3.88 (ddd, J = 5.43 Hz, 1H), 5.37 (m, 1H), 7.30 (m, 3H), 7.42 (m, 5H), 7.60 (m, 4H), 7.85 (d, J = 3.21 Hz, 1H), 8.19 (d, J = 4.34 Hz, 1H), 8.21 (s, 1H).



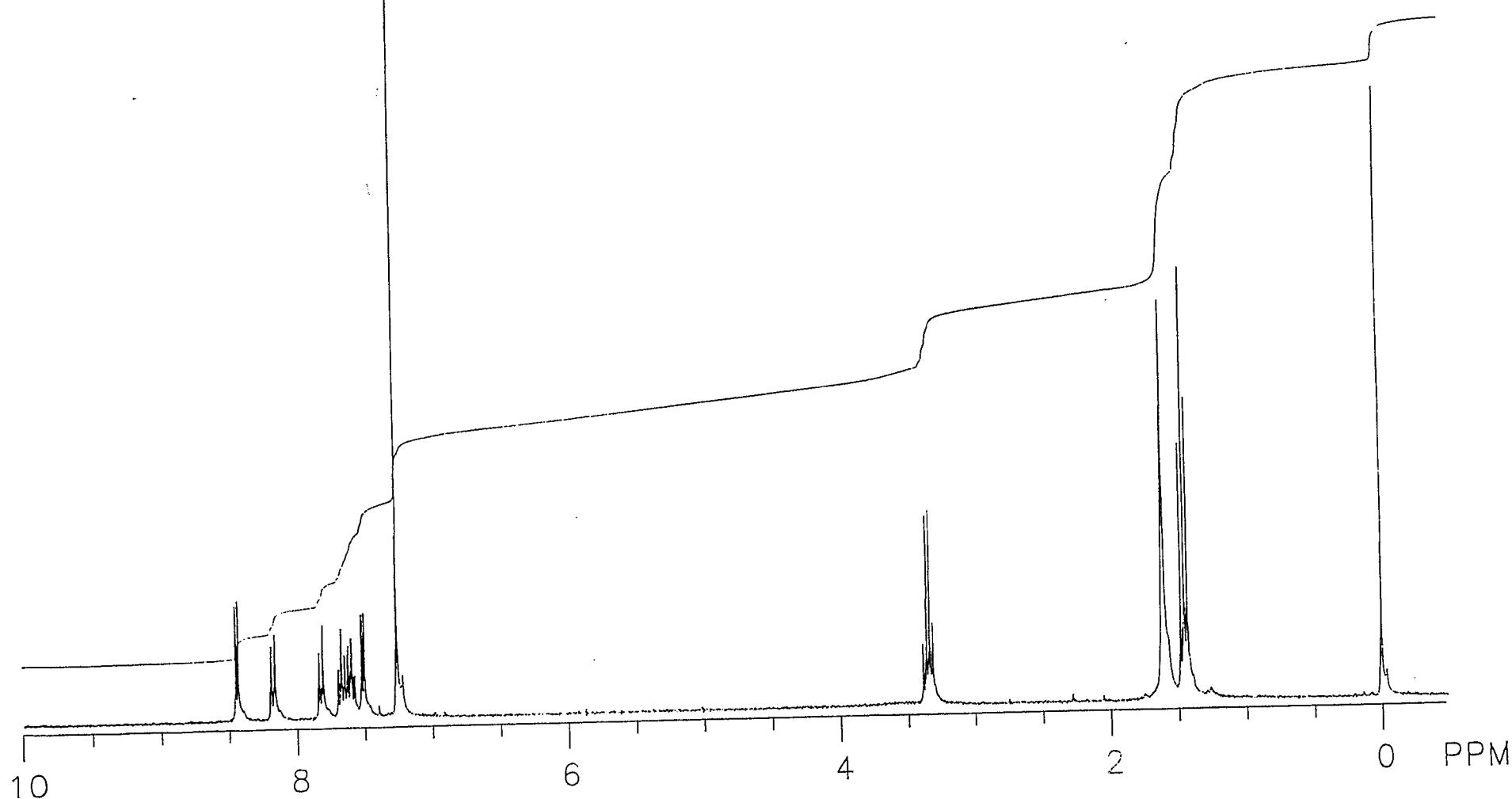
<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 0.87 (t, J = 7.54 Hz, 3H), 1.51 (s, 3H), 2.10 (q, J = 7.48 Hz, 2H), 2.63 (dd, J = 17.13 Hz, 1H), 3.39 (dd, J = 17.08 Hz, 1H), 3.49 (dd, J = 13.915, 1H), 3.64 (dd, J = 13.91 Hz, 1H), 7.39, (m, 5H), 7.54 (m, 2H), 7.78, (d, J = 3.67 Hz, 1H), 8.30 (s, 1H), 8.34 (d, J = 3.18 Hz, 1H).

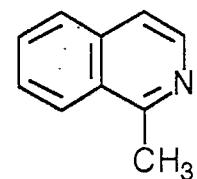


<sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>): δ 1.05 (t, J = 4.33 Hz, 3H), 2.23 (q, J = 7.60 Hz, 2H), 2.76 (ddd, J = 7.66 Hz, 1H), 3.01 (ddd, J = 6.99 Hz, 1H), 3.35 (ddd, J = 5.31, 1H), 3.71 (ddd, J = 5.35 Hz, 1H), 5.11 (m, 1H), 7.46, (m, 2H), 8.12, (d, J = 4.44 Hz, 1H), 8.34 (d, J = 5.75 Hz, 1H), 8.54 (s, 1H).

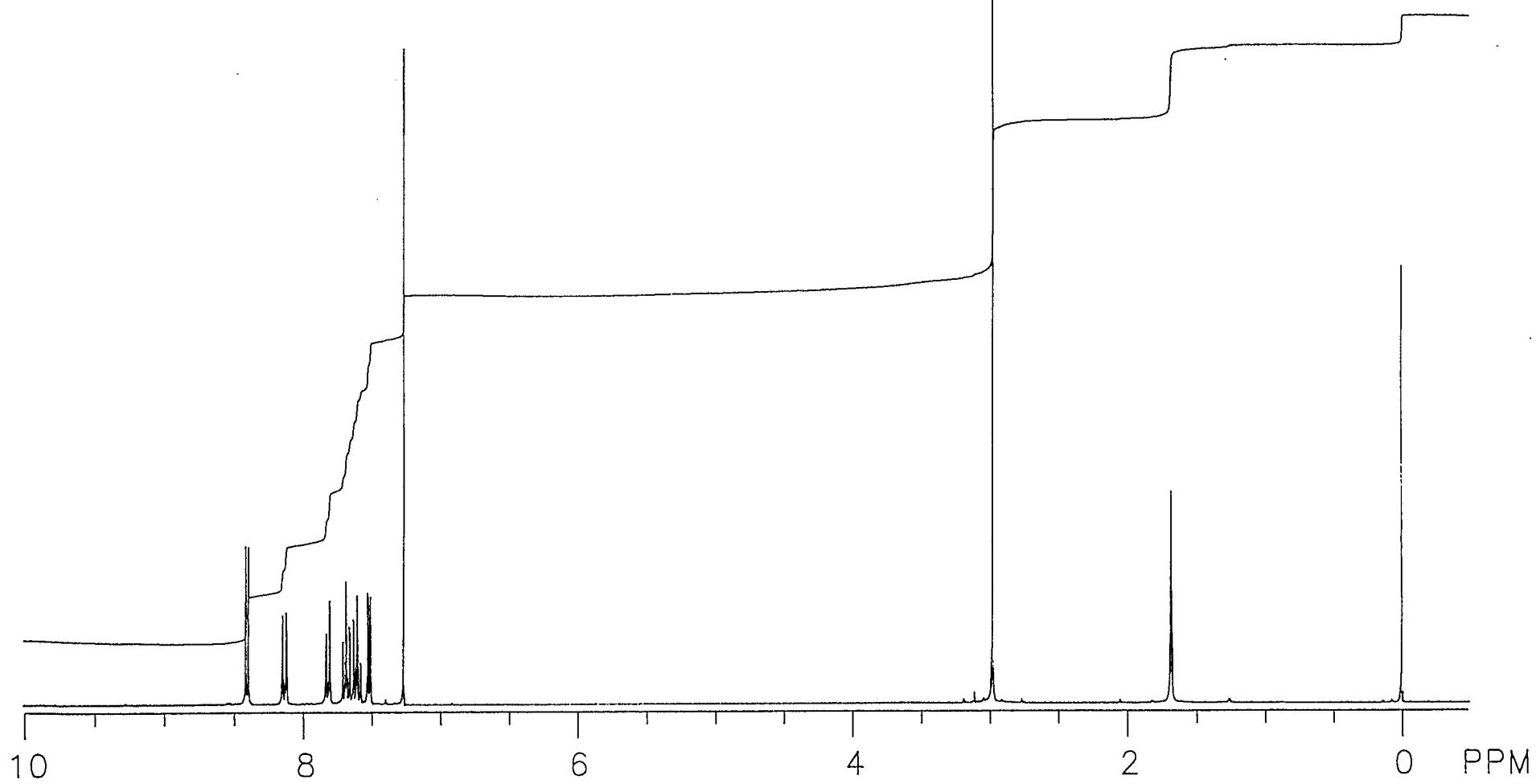


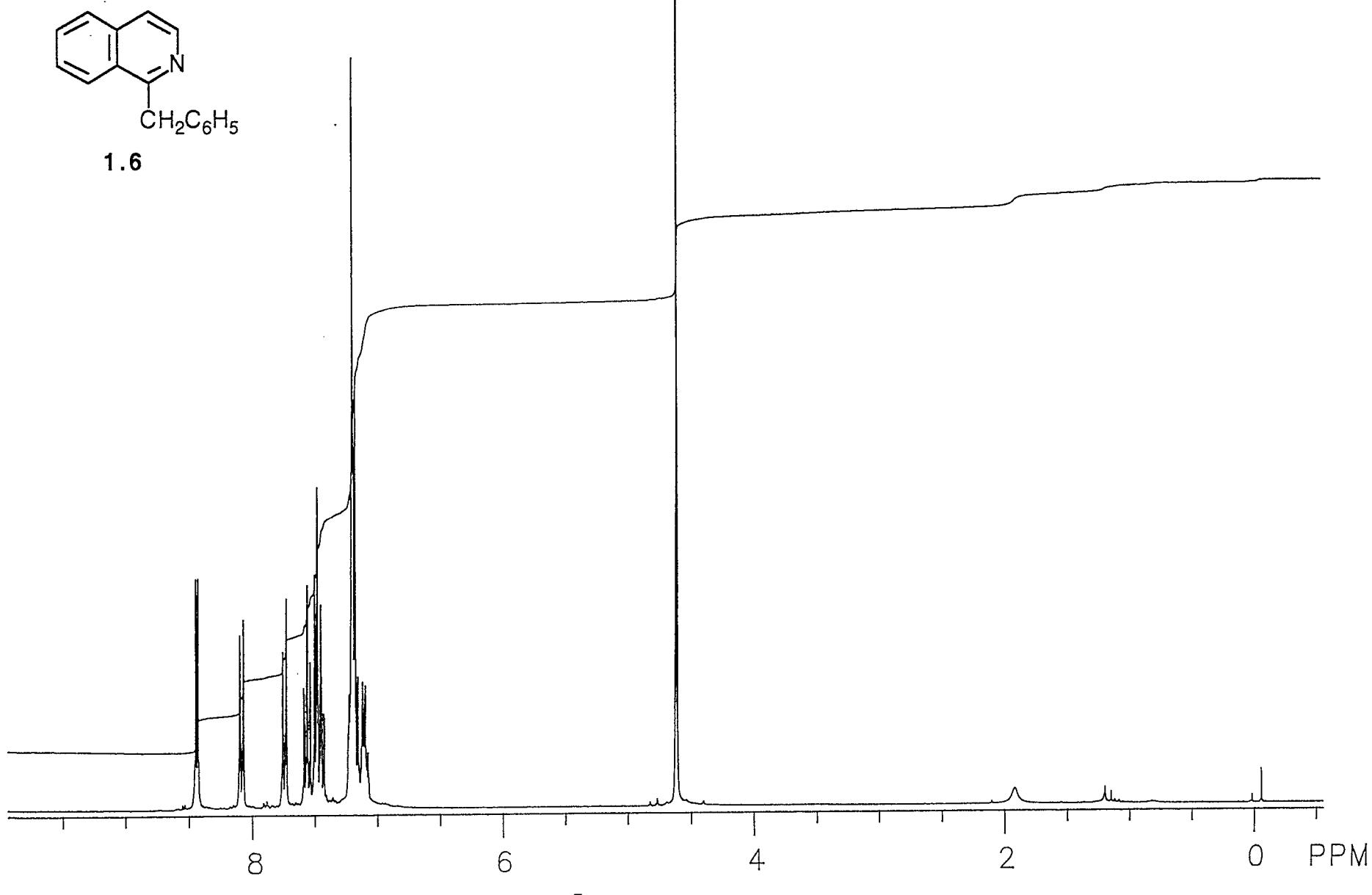
1.4

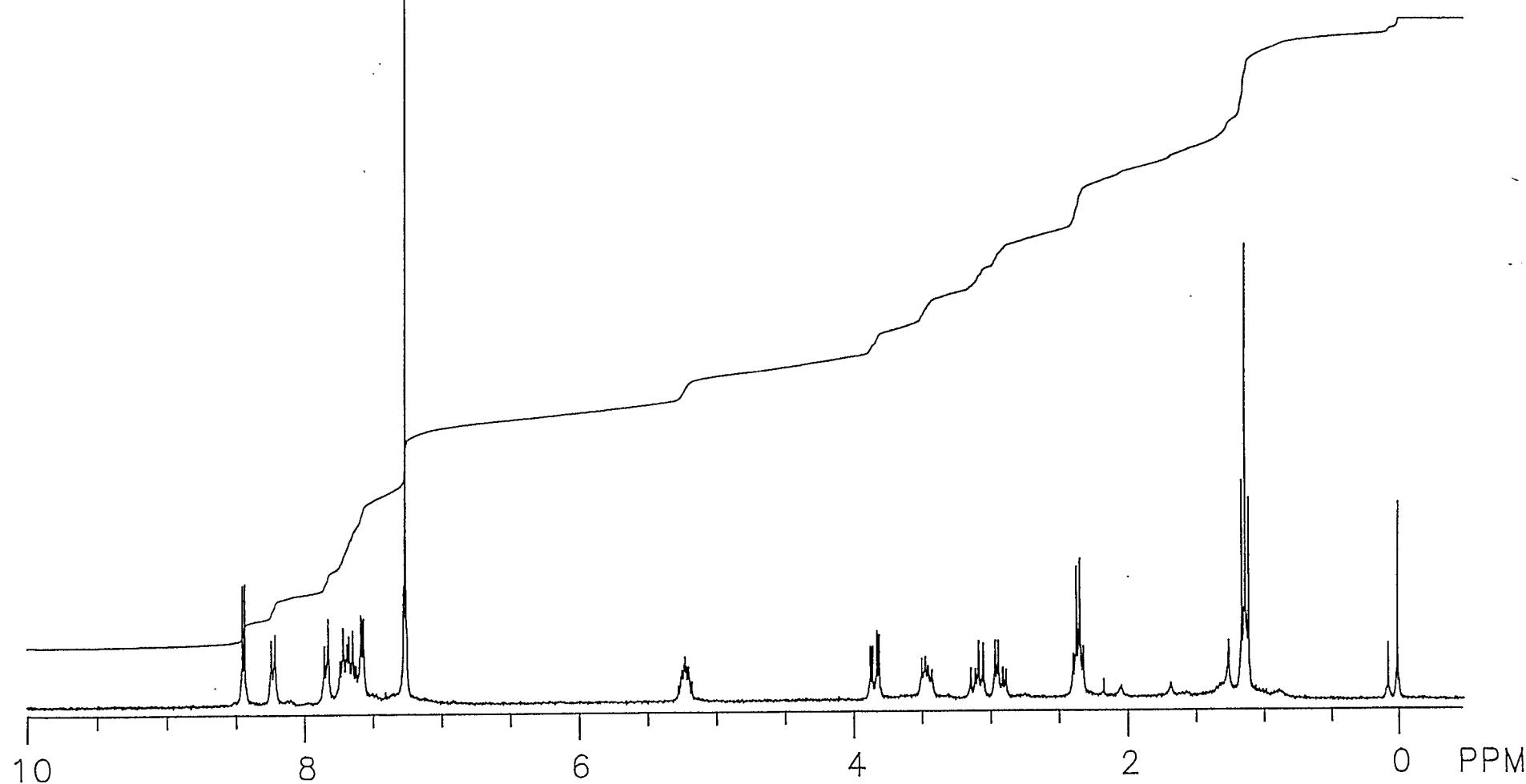
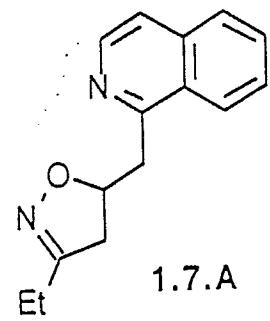




1.5







Lorsbach, B. A.; Miller, R. B.; Kurth, M. J.

