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6: Mp 51-52°C. IR (neat): 1712, 1703 cm.$^{-1}$. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 2.47 (t, J = 7.2 Hz, 2H), 2.44 (t, J = 7.2 Hz, 2H), 2.38 (t, J = 7.4 Hz, 2H), 2.13 (s, 3H), 1.83 (quint, J = 7.1 Hz, 2H), 1.55 (quint, J = 7.4 Hz, 2H), 1.27 (m, 6H), 0.89 (t, J = 6.8 Hz, 3H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 211.2, 208.9, 42.9, 42.6, 41.7, 31.6, 30.0, 29.0, 23.9, 22.5, 17.7, 14.1. Anal. Calc'd for $C_{12}H_{22}O_2$: C, 72.68; H, 11.18. Found: C, 72.41, H, 10.99.

7a: IR (neat): 3427, 1710, 1656 cm.$^{-1}$. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 3.65 (dt, J = 4.7, 3.7 Hz, 2H), 2.55 (t, J = 6.9 Hz, 2H), 2.482 (t, J = 7.1 Hz, 2H), 2.477 (t, J = 7.0 Hz, 2H), 2.14 (s, 3H), 1.85 (quint, J = 7.1 Hz, 2H), 1.84 (quint, J = 6.5 Hz, 2H), 1.73 (t, J = 5.2 Hz, 1H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ: 211.4, 208.9, 62.4, 42.5, 41.7, 39.5, 30.0, 26.5, 17.7. HRMS : Calc'd for $C_9H_{14}O_2$ (M^+-H_2O): 154.0994; Found: 154.0997.

7b: IR (neat): 2247, 1711 cm^{-1}. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 2.61 (t, J = 6.9 Hz, 2H), 2.48 (t, J = 6.9 Hz, 2H), 2.47 (t, J = 6.9 Hz, 2H), 2.43 (t, J = 7.0 Hz, 2H), 2.14 (s, 3H), 1.92 (quint, J = 6.9 Hz, 2H), 1.85 (quint, J = 7.0 Hz, 2H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 208.9, 208.6, 119.4, 42.4, 41.7, 40.3, 29.9, 19.2, 17.6, 16.5. Anal. Calc'd for $C_{10}H_{15}NO_2$: C, 66.27; H, 8.34; N, 7.73; MW, 181.1103. Found: C, 66.08; H, 8.18; N, 7.71; MW, 181.1096.

7c: IR (neat): 1717 cm^{-1}. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 2.65 (t, J = 6.6 Hz, 2H), 2.50 (t, J = 6.9 Hz, 4H), 2.47 (t, J = 7.1 Hz, 2H), 2.13 (s, 3H), 1.85 (quint, J = 7.1 Hz, 2H), 1.43 (s, 9H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 209.0, 208.8, 172.3, 80.7, 42.5, 41.5, 37.2, 29.9, 29.2, 28.1, 17.6. HRMS Calc'd for $C_9H_{14}O_4$ (M^+-tC_4H_8): 186.0892; Found: 186.0883.

7d: IR (neat): 1713 cm^{-1}. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 3.37 (t, J = 6.1 Hz, 2H), 3.31 (s, 3H), 2.48 (t, J = 7.4 Hz, 2H), 2.47 (t, J = 7.0 Hz, 2H), 2.45 (t, J = 7.4 Hz, 2H), 2.13 (s, 3H), 1.84 (quint, J = 6.9 Hz, 4H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 210.5, 208.8, 71.8, 58.6, 42.6, 41.6, 39.3, 29.9, 23.8, 17.7. HRMS Calc'd for $C_{10}H_{16}O_2$ (M^+-H_2O): 168.1150; Found: 168.1148.

7e: IR (neat): 3475, 1713 cm^{-1}. ^{1}H NMR ($CDCl_3$, 300 MHz): δ 3.75 (s, 1H), 2.61 (t, J = 7.0 Hz, 2H), 2.50 (t, J = 6.9Hz, 2H), 2.15 (s, 3H), 1.89 (quint, J = 7.0 Hz, 2H), 1.37 (s,

6H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 214.5, 208.6, 76.3, 42.3, 34.4, 30.0, 26.5, 17.7. HRMS Calc'd for $C_8H_{16}O_2$ (M^+-CO): 144.1150; Found: 144.1154.

7f: Mp 105-109°C. IR (neat): 3386, 1705, 1661, 1616 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 5.91 (bs, 1H), 5.80 (bs, 1H), 2.50 (t, J = 6.9 Hz, 2H), 2.47 (t, J = 6.9 Hz, 2H), 2.45 (t, J = 6.9 Hz, 2H), 2.25 (t, J = 7.2 Hz, 2H), 2.14 (s, 3H), 1.90 (quint, J = 7.0 Hz, 2H), 1.83 (quint, J = 6.9 Hz, 2H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 210.5, 209.0, 175.6, 42.6, 41.6, 41.4, 34.6, 30.0, 19.4, 17.6. HRMS: Calc'd for $C_{10}H_{14}O_3$ (M^+-NH_3): 182.0943. Found: 182.0961.

7g: Mp 42-3°C. IR (neat): 3414, 1709 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 3.14 (m, 1H), 2.71 (dd, J = 16.5, 6.6 Hz, 1H), 2.49 (m, 2H), 2.47 (t, J = 7.1 Hz, 2H), 2.26 (dd, J = 16.5, 5.6 Hz, 1H), 2.13 (s, 3H), 1.98 (m, 1H), 1.91 (d, J = 6.6 Hz, 1H), 1.84 (quint. J = 7.1 Hz, 2H), 1.65 (s, 1H), 1.78-1.58 (m, 3H), 1.34-1.13 (m, 3H), 1.02 (m, 1H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 212.1, 208.9, 75.6, 47.6, 42.6, 42.2, 41.7, 36.2, 32.0, 30.0, 25.5, 25.0, 17.7. Anal. Calc'd for $C_{13}H_{22}O_3$: C, 68.99; H, 9.80. Found: C, 69.26; H, 9.67.

7h: IR (neat): 3476, 1709 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 3.49 (s, 1H), 2.62 (t, J = 7.0 Hz, 2H), 2.48 (t, J = 7.0 Hz, 2H), 2.14 (s, 3H), 1.88 (quint, J = 7.0 Hz, 2H), 1.80-1.60 (m, 7H), 1.54-1.40 (m, 2H), 1.34-1.18 (m, 1H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 214.8, 208.7, 78.1, 42.4, 34.7, 33.9, 30.0, 25.3, 21.1, 17.7.

9a: Mp 32-3°C. IR ($CDCl_3$): 2254, 1710 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 2.60 (t, J = 6.9 H, 2H), 2.50-2.26 (m, 7H), 1.91 (quint. J = 6.9 Hz, 2H), 1.83 (quint. J = 7.1 Hz, 2H), 1.86-1.62 (m, 5H), 1.38-1.18 (m, 5H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 213.7, 208.8, 119.3, 50.7, 41.8, 40.1, 39.1, 28.4, 25.7, 25.5, 19.1, 17.5, 16.4. Anal. Calc'd for $C_{15}H_{23}NO_2$: C, 72.25; H, 9.30; N, 5.62. Found: C, 72.53; H, 9.05; N, 5.53.

9b: IR ($CDCl_3$): 3500, 1706 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 3.64 (t, J = 6.1 Hz, 2H), 2.54 (t, J = 6.9 Hz, 2H), 2.47 (t, J = 7.0 Hz, 2H), 2.45 (t, J = 7.1 Hz, 2H), 2.37-2.24 (m, 1H), 1.89-1.64 (m, 9H), 1.38-1.19 (m, 5H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 214.0,

211.4, 62.1, 50.7, 41.7, 39.3, 39.2, 28.4, 26.4, 25.7, 25.5, 17.6. HRMS: Calc'd for $C_{14}H_{22}O_2$ ($M^+ - H_2O$): 222.1620. Found: 222.1619.

9c: IR ($CDCl_3$): 1714 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 2.64 (t, J = 6.6 Hz, 2H), 2.54-2.42 (m, 6H), 2.36-2.25 (m, 1H), 1.90-1.62 (m, 7H), 1.43 (s, 9H), 1.28-1.18 (m, 5H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 213.9, 209.0, 172.2, 80.6, 50.7, 41.6, 39.2, 37.1, 29.1, 28.4, 27.9, 25.7, 25.6, 17.6. HRMS: Calc'd for $C_{18}H_{30}O_4$ (M^+): 310.2144. Found: 310.2134.

9d: IR ($CDCl_3$): 3490, 1706 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 3.74 (s, 1H), 2.59 (t, J = 6.9 Hz, 2H), 2.50 (t, J = 6.9 Hz, 2H), 2.38-2.23 (m, 1H), 1.88 (quint., J = 6.9 Hz, 2H), 1.86-1.62 (m, 5H), 1.36 (s, 6H), 1.38-1.14 (m, 5H). ^{13}C NMR (CDCl, 75 MHz): δ 214.5, 213.9, 76.1, 50.7, 39.0, 34.4, 28.3, 26.4, 25.7, 25.5, 17.5. HRMS: Calc'd for $C_{14}H_{25}O_3$ (MH^+): 241.1804. Found: 241.1804.

9e: Mp 47-9°C. IR ($CDCl_3$): 2254, 1715, 1684, 1599 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 7.99-7.94 (m, 2H), 7.61-7.43 (m, 3H), 3.03 (t, J = 6.9 Hz, 2H), 2.63 (t, J = 6.9 Hz, 2H), 2.57 (t, J = 7.0 Hz, 2H), 2.43 (t, J = 7.0 Hz, 2H), 2.04 (quint., J = 7.0 Hz, 2H), 1.93 (quint., J = 6.9 Hz, 2H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 208.7, 199.7, 136.8, 133.2, 128.7, 128.0, 119.7, 41.7, 40.2, 37.2, 19.1, 17.9, 16.3. HRMS: Calc'd for $C_{15}H_{17}NO_2$ (M^+): 243.1259. Found: 243.1250.

9f: Mp 63-4°C. IR ($CDCl_3$): 3618, 3488, 1707, 1685, 1599 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 8.00-7.93 (m, 2H), 7.61-7.43 (m, 3H), 3.66 (t, J = 6.1 Hz, 2H), 3.02 (t, J = 7.0 Hz, 2H), 2.58 (t, J = 7.0 Hz, 2H), 2.57 (t, J = 6.9 Hz, 2H), 2.03 (quint., J = 6.9 Hz, 2H), 1.85 (quint., J = 6.1 Hz, 2H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 211.4, 200.1, 136.9, 133.2, 128.7, 128.1, 62.2, 41.7, 39.4, 37.4, 26.4, 18.2. HRMS: Calc'd for $C_{14}H_{16}O_2$ ($M^{+-H}{}_2O$): 216.1150. Found: 216.1149.

9g: IR (neat): 1715, 1682, 1598, 1581 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 7.98-7.93 (m, 2H), 7.59-7.52 (m, 1H), 7.50-7.42 (m, 2H), 3.02 (t, J = 7.0 Hz, 2H), 2.67 (t, J = 6.7 Hz, 2H), 2.60 (t, J = 7.0 Hz, 2H), 2.51 (t, J = 6.7 Hz, 2H), 2.04 (quint., J = 7.0 Hz, 2H), 1.43 (s, 9H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 209.0, 200.0, 172.2, 137.0, 133.1, 128.7,

128.1, 80.6, 41.6, 37.4, 37.2, 29.1, 28.0, 18.1. HRMS: Calc'd for $C_{18}H_{22}O_3$ (M^+ - H_2O): 286.1569. Found: 286.1567.

9h: IR (neat): 3486, 1709, 1682, 1598, 1581 cm^{-1}. ^1H NMR ($CDCl_3$, 300 MHz): δ 7.99-7.94 (m, 2H), 7.62-7.44 (m, 3H), 3.75 (s, 1H), 3.05 (t, J = 6.9 Hz, 2H), 2.71 (t, J = 6.9 Hz, 2H), 2.09 (quint. J = 6.9 Hz, 2H), 1.38 (s, 6H). ^{13}C NMR ($CDCl_3$, 75 MHz): δ 214.5, 199.8, 136.9, 133.3, 128.7, 128.1, 76.2, 37.1, 34.5, 26.5, 18.1. HRMS: Calc'd for $C_{14}H_{19}O_3$ (MH^+): 235.1334. Found: 235.1338.