Supplementary Information

Hexacarbonvl[μ - η^4 -(5.7-diacetoxycyclohept-1-en-3-yne)]dicobalt (5): To a solution of 4 (1.419 g, mmol) in CH₃CO₂H (20 mL) was added H₂SO₄ (10 drops). QAc Following stirring for 1.5 h, water was added, and the mixture was subjected to a conventional extractive workup (hexanes). The organic layers were AcO dried over MgSO₄, and concentrated under reduced pressure. Flash chromatography (10:1 petroleum ether : Et₂O) afforded 5 (1.356 g, 96% $\dot{C}o_2(CO)_6$ 5 yield) as a single diastereomer; (5), $(R_f = 0.37, 4:1 \text{ petroleum ether} : Et_2O)$; IR (neat, NaCl) v_{max} 3030, 2928, 2095, 2056, 2029, 1741 cm⁻¹; ¹ H NMR (CDCl₃) δ 6.77 (d, J = 10.0, 1H, vinyl-CH), 6.27 (dd, J = 10.3, 3.7, 1H, CH-OAc), 6.14 (dd, J = 10.0, 6.3, 1H, vinyl-CH), 5.57 (apparent t, J = 6.8, 1H, CH-OAc), 2.40 (m, 1H, CHH), 2.16 (s, 3H, $C(O)-CH_3$), 2.05 (m, 1H, CHH), 2.03 (s, 3H, C(O)-CH₃); ¹³C NMR (CDCl₃) 198.9 (br), 170.2, 170.0, 130.6, 130.3, 93.9, 81.4, 71.0, 67.3, 35.0, 21.0, 20.8; MS (EI, 20 eV) m/e 466 (M – CO⁺), 438 (M⁺-2CO), 354 (M⁺-5CO), 326 (M⁺-6CO); HRMS (TOF) m/e for $C_{17}H_{12}C_{02}O_{10}$ calcd. 465.9145 (M – CO⁺), found 465.9159.

Hexacarbonyl[µ-η⁴-(6-hydroxycyclohept-2-en-4-ynone)]dicobalt (7): Compound 5 (0.3572 g,

0.723 mmol) was dissolved in Et₂O and cooled to -78 °C. DIBAL-H (3.0 mL of a 1 M solution in Et₂O, 4 equiv) was added and the solution stirrer for 1.5 h. Saturated NH₄Cl_(aq) was added and the reaction mixture was subjected to a HO conventional extractive workup (Et₂O). Removal of the volatiles under $\dot{Co}_2(CO)_6$ reduced pressure afforded crude 6, which was dissolved in CH₂Cl₂. Addition 7 of MnO₂ (excess), and the mixture stirred 12 h. Filtration through silica gel and concentration under reduced pressure gave a residue, which was subjected to flash chromatography (4:1 petroleum ether : Et₂O) to afford 7 (0.1829 g, 62%); (7), $(R_f = 0.30, 2:1 \text{ petroleum ether : Et₂O);$ IR (neat, NaCl) v_{max} 3417, 3027, 2925, 2099, 2059, 2030, 1651cm⁻¹; ¹ H NMR (CDCl₃) δ 7.36 (d, J = 10.4, 1H, vinyl-CH), 6.26 (d, J = 10.4, 1H, vinyl-CH), 5.17 (m, 1H, CH-OH), 3.02 (m, 2H, CH₂), 2.20 (d, J = 5.0, 1H, OH); ¹³C NMR (CDCl₃) 198.3 (br, obscured), 198.3, 139.5, 132.2, 97.8, 78.4, 68.7, 52.3; MS (EI, 20 eV) m/e 408 (M⁺), 380 (M-CO⁺), 352 (M-2CO⁺), 324 $(M-3CO^{+})$, 296 $(M-4CO^{+})$; HRMS (TOF) m/e for $C_{13}H_6Co_2O_8$ calcd. (M^{+}) 407.8727, found 407.8705.

Hexacarbonyl[μ - η^4 -(cyclohepta-2,6-dien-4-ynone)]dicobalt (8):To a solution of 7 (0.200 g,



0.490 mmol) in CH₂Cl₂ (10 mL) was added HBF₄ (0.5 mL, 54 wt. % in Et₂O, excess) in a dropwise fashion. After 20 min NaHCO_{3(sat)} was added, and followed by a conventional extractive workup (CH₂Cl₂). Flash chromatographic purification (5:1 petroleum ether: Et_2O) afforded 8 (0.095 g, 50% yield); (8), ($R_f =$

0.45, 4:1 petroleum ether : Et_2O ; (neat, NaCl) v_{max} 3031, 2927, 2102, 2064, 2032, 1699 cm⁻¹; ¹ H NMR (CDCl₃) δ 7.61 (d, J = 10.0, 2H, vinyl-CH), 6.59 (d, J = 10.0, 2H, vinyl-CH); ¹³C NMR (CDCl₃) 198.0 (br), 191.1, 140.5, 135.3, 80.5; MS (EI, 20 eV) m/e 390 (M⁺), 362(M-CO⁺), 334(M-2CO⁺), 306(M-3CO⁺), 278(M-4CO⁺), 250(M-5CO⁺), 222(M-6CO⁺); HRMS (TOF) m/e for $C_{13}H_4Co_2O_7$ calcd. (M⁺) 389.8621, found 389.8625.

Hexacarbonyl[μ - η^4 -(cyclohepta-2,6-dien-4-ynol)]dicobalt (3) and Hexacarbonyl[μ - η^4 -(cyclohepta-2,4-dien-6-ynol)]dicobalt (9): To a solution of 8 (0.0768 g, 0.197 mmol) in Et₂O



(10 mL) at -78 °C was added DIBAL-H (0.5 mL of 1M solution, 0.5 mmol). After stirred 2 h at -78 °C, saturated NH₄Cl_(a0) was added, and the reaction subjected to a conventional extractive workup (Et₂O). Flash chromatographic purification (100% petroleum ether -5:1 petroleum ether: Et₂O gave the sequential elution of recovered 8 (0.0036g, 5% recovery), alcohol 9 (0.0038 g, 5% yield), and **3** (0.0633 g, 82% yield, 86% based on recovered **8**); (**3**), ($R_f =$ 0.20, 5:1 petroleum ether : Et_2O ; IR (neat, NaCl) v_{max} 3324,3021, 2923, 2099, 2053, 2053, 2028, 2009 cm⁻¹; ¹ H NMR (CDCl₃) δ 6.79 (dd, J = 10.0, 1.8, 1H, vinyl-CH), 5.93 (dd, J = 10.0, 3.8, 1H, vinyl-CH), 4.94 (br, 1H, CH-OH), 2.21 (br, 1H, OH); 13 C NMR (CDCl₃) 199.1, 133.0, 127.5, 84.8, 70.3; MS (EI, 20 eV) m/e 392 (M⁺); HRMS m/e for

 $C_{13}H_6Co_2O_7$ calcd. 391.8763 (M⁺), found 391.8764. Compound (9), (R_f = 0.32, 5:1 petroleum ether : Et₂O) IR (neat, NaCl) v_{max} 3400 (br), 3022, 2095, 2054, 2022 cm⁻¹; ¹ H NMR (CDCl₃) δ 6.88 (d, J = 9.8, 1H, vinyl-CH), 6.17 (m, 1H, vinyl-CH), 5.92-5.98 (m, 2H, $\frac{2}{2}$ vinyl-CH), 5.55 (d, J = 6.2, 1H, CH-OH, 2.18 (br, 1H, OH); ¹³C NMR (CD₂Cl₂) 199.8 (br), 135.7, 131.4, 127.2, 126.4, 102.5, 83.1, 72.5; MS (EI, 20 eV) m/e 364 (M-CO⁺), 336 (M-2CO⁺), 308 (M-3CO⁺), 280 $(M-4CO^{+})$, 252 $(M-5CO^{+})$, 224 $(M-6CO^{+})$,

 $Hexacarbonyl[\mu-\eta^4-(7-(2,4,6-trimethoxyphenyl)cyclohepta-1,3-dien-5-yne)] dicobalt (10aa):$



To a solution of compound **3** (0.023 g, 0.059 mmol) and 1,3,5trimethoxybenzene (0.050 g, 0.29 mmol) in CH₂Cl₂ (5 mL) at 0 °C was added BF₃-OEt₂ (21 μ L, 0.18 mmol). After 15 min, saturated NaHCO_{3(aq)} was added and the mixture subjected to a conventional extractive workup (CH₂Cl₂). The combined organic layer were dried

over MgSO₄ and concentrated under reduced pressure. Flash chromatography (10:1 petroleum ether : Et₂O) afforded **10a** α (0.028 g, 88% yield); (**10a** α), (**R**_f = 0.38, 10:1 petroleum ether : Et₂O); IR (neat, NaCl) v_{max} 3019, 2924, 2090, 2050, 2020 cm⁻¹; ¹ H NMR (CDCl₃) δ 6.74 (d, J = 9.6, 1H, vinyl-CH), 6.17 (s, 2H, aryl-CH), 6.12 (dd, J = 9.6, 7.5, 1H, vinyl-CH), 5.95 (dd, J = 11.9, 1.9, 1H, vinyl-CH), 5.83 (m, 1H, vinyl-CH), 5.59 (br s, 1H, alkyl-CH), 3.86 (s, 3H, OCH₃), 3.80 (s, 3H, OCH₃), 3.78 (s, 3H, OCH₃); ¹³C NMR (CDCl₃) 199.8 (br), 160.3, 159.7, 158.2, 137.7, 129.3, 127.4, 124.7, 110.8, 106.4, 90.7, 90.1, 85.6, 55.3, 55.2, 54.5, 40.0; MS (EI, 20 eV) m/e 514 (M-CO⁺), 486 (M-2CO⁺), 458 (M-3CO⁺), 430 (M-4CO⁺), 402 (M-5CO⁺), 374 (M-6CO⁺); HRMS (TOF) m/e for C₂₂H₁₆Co₂O₉ calcd. (M-2CO⁺) 485.9560, found 485.9538.

$$\label{eq:hermitian} \begin{split} Hexacarbonyl[\mu-\eta^4-(7-(2-methylallyl)cyclohepta-1,3-dien-5-yne)]dicobalt & (10b\alpha) & \text{and} \\ Hexacarbonyl[\mu-\eta^4-(7-(2-methylallyl)cyclohepta-1,5-dien-3-yne)]dicobalt & (10b\gamma): \ \ Reaction & (10b\gamma) & (10$$



of **3** (0.020 g, 0.051 mmol) with methallyltrimethylsilane (35 µL, 0.20 mmol) under the standard conditions afforded **10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10by** following purification by flash chromatography (100% hexanes); (**10b**), ($\mathbf{R}_{f} = 0.69$, 100% petroleum ether); IR (neat, NaCl) v_{max} 2091, 2050, 2021 cm⁻¹; ¹ H NMR (CDCl₃) δ (major isomer) 6.79 (d, J = 9.6, 1H, vinyl-CH), 6.12 (dd, J = 9.6, 7.2, 1H, vinyl-CH), 5.90 (ddd, J = 11.9, 7.2, 2.4, 1H, vinyl-CH), 5.73 (ddd, J = 11.9, 3.0, 0.9, 1H, vinyl-CH), 4.93 (s, 1H, =CHH), 4.87 (s, 1H, =CHH), 3.83 (m, 1H, alkyl-CH), 2.59 (dd, J = 14.1, 5.1, 1H, CHH), 2.44 (dd, J = 14.1, 10.2, 10.51) and the standard conditions afforded **10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of 10ba:10b (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (0.016 g, 73%) as a 67:33 mixture of **10ba:10b** (100% hexanes); (10b), (R_f = 0.69, 100% petroleum ether); IR (neat, NaCl) v_{max} 2091, 2050, 2021 cm⁻¹; ¹ H NMR (CDCl₃) δ (major isomer) 6.79 (d, J = 9.6, 1H, vinyl-CH), 6.12 (dd, J = 9.6, 7.2, 1H, vinyl-CH), 5.90 (dd, J = 11.9, 7.2, 2.4, 1H, vinyl-CH), 5.73 (ddd, J = 11.9, 7.2, 2.4, 1H, vinyl-CH), 5.73 (ddd, J = 11.9, 7.2, 2.4, 1H, vinyl-CH), 5.74 (dd, J = 14.1, 10.2, 1H, alkyl-CH), 2.59 (dd, J = 14.1, 5.1, 1H, CHH), 2.44 (dd, J = 14.1, 10.2, 1H)

1H, CHH), 1.80 (s, 3H, CH₃); (minor isomer) 6.71 (br d, J = 9.7, 2.2, 2H, vinyl-CH), 5.65 (dd, J = 9.7, 4.2, 2H, vinyl-CH), 4.87 (s, 1H, =CHH), 4.76 (s, 1H, =CHH), 3.15 (m, 1H, alkyl-CH), 2.33 (d, 7.7, 2H, CH₂), 1.70 (s, 3H, CH₃); ¹³C NMR (CDCl₃) (major isomer) 199.7 (br), 142.6, 134.0, 127.61, 127.2, 113.2, 105.7, 85.8, 45.5, 41.1, 22.2; resonances from the minor isomer could be detected at 142.2, 135.0, 127.58, 113.4, 87.3, 44.8, 39.8, 22.0; MS (EI, 20 eV) m/e 402

(M-CO⁺), 374 (M-2CO⁺), 346 (M-3CO⁺), 318 (M-4CO⁺), 290 (M-5CO⁺), 262 (M-6CO⁺); HRMS (TOF) m/e for $C_{17}H_{12}Co_2O_6$ calcd. (M-CO⁺) 401.9349, found 401.9334.

Hexacarbonyl[μ - η^4 -(7-allylcyclohepta-1,3-dien-5-yne)]dicobalt (10ca) and Hexacarbonyl[μ - η^4 -(7-allylcyclohepta-1,5-dien-3-yne)]dicobalt (10cy): Reaction of 3 (0.028 g, 0.071 mmol)

with allyltrimethylsilane (56 µL, 0.36 mmol) under the standard conditions afforded 10c (0.021 g, 70%) as a 83:17 mixture of 10ca:10cy following purification by flash chromatography (100% hexanes); (10c), $(R_f = 0.65, 100\%)$ petroleum ether); (neat, NaCl) v_{max} cm⁻¹; ¹ H NMR (CDCl₃) (major isomer) δ Co₂(CO)₆ 6.79 (d, J = 10.0, 1H, vinyl-CH), 6.11 (dd, J = 10.0, 7.5, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0, 1H, vinyl-CH), 5.96 (m, 10.0) (d, J = 10.0) (d, J1H, vinyl-CH), 5.90 (m, 1H, vinyl-CH), 5.74 (ddd, J = 12.0, 3.0, 1.0, 1H), 5.22 (dd, J = 17.0, 1.5, 1H, =CHH), 5.17 (dd, J = 10.5, 1.5, 1H, CHH), 3.74 (m, 1H, 1H)alkyl-CH), 2.67 (m, 1H, CHH), 2.51 (m, 1H, CHH); (minor isomer) δ 6.69 (dd, J = 9.5, 2.0, 2H, 2 vinyl-CH, 5.79 (m, 1H, vinyl-CH), 5.64 (dd, J = 9.5, 4.3, 2H, 2 Ċo₂(CO)₆ vinvl-CH, 5.10 (d, J = 9.4, 1H, vinvl-CH), 5.09 (d, J = 17.7, 1H, vinyl-CH), 3.16 (m, 1H, alkyl-CH), 2.37 (apparent t, J = 6.8, 2H, CH_2); ¹³C NMR (CDCl₃)

(major isomer) 199.6 (br), 136.0, 135.0, 130.2, 127.7, 127.1, 117.4, 104.9, 85.8, 43.5, 41.3; resonances from the minor isomer could be detected at 135.5, 133.8, 127.4, 42.5, 41.1; MS (EI, 20 eV) m/e 418 (M^+), 388 (M-CO⁺), 360 (M-2CO⁺), 332 (M-3CO⁺), 304 (M-4CO⁺), 276 (M- $5CO^+$), 248 (M-6CO⁺); HRMS (TOF) m/e for C₁₆H₁₀Co₂O₆ calcd. (M-CO⁺) 387.9192, found 387.9166.

Hexacarbonvl[μ - η^4 -(7-(cvclohexenvlmethvl)cvclohepta-1.3-dien-5-vne)]dicobalt (10d α) and Hexacarbonyl[µ-η⁴-(7-(cyclohexenylmethyl)cyclohepta-1,5-dien-3-yne)]dicobalt $(10d\gamma)$:



10cα

10cγ

Reaction of 3 (0.027 g, 0.068 mmol) with methylenecyclohexane (33 μ L, 0.28 mmol) under the standard conditions afforded 10d (0.016 g, 50%) as a 90:10 mixture of $10d\alpha:10d\gamma$ following purification by flash chromatography (10:1 petroleum ether : Et_2O); (10d), ($R_f = 0.75$, 100%) petroleum ether); (neat, NaCl) v_{max} 3018, 2929, 2090, 2050, 2020 cm⁻¹; ¹ H NMR (CDCl₃) (major isomer) δ 6.77 (d, J = 9.5, 1H, vinvl-CH), 6.11 (dd, J = 9.5, 7.0, 1H, vinyl-CH, 5.88 (m, 1H, vinyl-CH), 5.73 (dd, J = 12.0, 1.0, 1H, vinyl-CH), 5.58 (br s, 1H, vinyl-CH), 3.82 (m, 1H, alkyl-CH), 2.53 (m,

1H, CHH), 2.34 (m, 1H, CHH), 2.00-2.10 (m, 4H, 2 CH₂), 1.55-1.75 (m, 4H, 2 CH₂); resonances from the minor isomer could be detected at 6.49 (dd, $J = 9.5, 2.2, 1H, \frac{2}{2}$ vinyl-CH). 5.64 (dd, $J = 9.5, 4.5, 1H, \frac{2}{2}$ vinyl-CH), 5.49 (br s, 1H, vinyl-CH), 3.16 (m, 1H, alkyl-CH), 2.24 $(d, J = 7.5, 2H, CH_2)$; ¹³C NMR (CDCl₃) (major isomer) 199.7 (br), 135.4, 134.8, 130.0, 127.3, 127.2, 124.2, 106.1, 85.9, 46.0, 41.0, 28.2, 25.3, 22.9, 22.4; peaks from the minor isomer could be observed at 134.4, 124.5, 45.3, 40.0, 20.0; MS (EI, 20 eV) m/e 470 (M^+), 442 (M - CO⁺), 414 $(M - 2CO^{+})$, 386 $(M - 3CO^{+})$, 358 $(M - 4CO^{+})$, 330 $(M - 5CO^{+})$, 302 $(M - 6CO^{+})$; HRMS (TOF) m/e for $C_{20}H_{16}Co_2O_6$ calcd. (M⁺) 469.9611, found 469.9626.

Hexacarbonyl[μ - η^4 -(7-(5-methyl-2-thienyl)cyclohepta-1,3-dien-5-yne)]dicobalt (10ea):

Reaction of 3 (0.018 g, 0.046 mmol) with 2-methylthiophene (23 μ L, 0.23



10eα

mmol) under the standard conditions afforded 10ea (0.018 g, 83% yield) following purification by flash chromatography (100% hexanes); (10ea), $(R_f = 0.59, 100\%$ petroleum ether); (neat, NaCl) v_{max} 3020, 2923, 2091, 2052, 2022 cm⁻¹; ¹ H NMR (CDCl₃) δ 6.84 (d, J = 9.0, 1H, vinyl-CH), 6.76 (d, J = 3.0, 1H, thienyl-CH), 6.61 (d, J = 3.0, 1H, thienyl-CH), 6.18 (m, 1H, vinyl-CH), 6.00-6.08 (m, 2H, 2 vinyl-CH), 5.16 (s, 1H, alkyl-CH), 2.46 (s, 3H, CH₃); ¹³C NMR (CDCl₃) 199.0 (br), 145.0, 139.0, 134.3, 131.0, 127.9, 126.6, 124.7, 124.4, 105.9, 84.5, 45.7, 15.4; MS (EI, 20 eV) m/e 472 (M^+), 444 (M - CO⁺), 416 (M - 2CO⁺), 388 (M - 3CO⁺), 360 (M - 4CO⁺), 332 (M - 5CO⁺), 304 (M - 6CO⁺); HRMS (TOF) m/e for $C_{18}H_{10}Co_2O_6S$ calcd. (M⁺) 471.8862,

found 471.8851.

Hexacarbonyl[μ^4 - η^2 , η^2 , η^2 , η^2 -(1,1'-bi(cyclohepta-2,4-dien-6-yne)]tetracobalt $(11\alpha\alpha)$ and Hexacarbonyl[μ^4 - η^2 , η^2 , η^2 , η^2 -(7-(cyclohepta-2,6-dien-4-ynyl)cyclohepta-1,3-dien-5-yne)]-



tetracobalt (11 α y): To a solution of 3 (0.028 g, 0.071 mmol) and mesitylene (49 µL, 0.36 mmol) in CH₂Cl₂ (5 mL) at 0 °C was added BF₃-OEt₂ (26 µL, 0.21 mmol).). After 15 min, saturated NaHCO_{3(au)} was added and the mixture subjected to a conventional extractive workup (CH₂Cl₂). The combined organic layer were dried over MgSO₄ and concentrated under reduced pressure. Flash chromatography (100% hexanes) afforded 11 (0.0133 g, 50%) as a 33:67 mixture of 11aa:11ay. Compound 11ay slowly decomposed in

solution in CDCl₃; (**11**), ($R_f = 0.52$, 100% petroleum ether); IR (neat, NaCl) v_{max} 3020, 2923, 2091, 2053, 2023 cm⁻¹; ¹ H NMR (CDCl₃) (major isomer) δ 6.96 (dd, J = 9.8, 2.6, **1H**, vinyl-CH), 6.94 (dd, J = 9.3, 2.6, **1H**, vinyl-CH), 6.87 (d, J = 9.6, **1H**, vinyl-CH), 6.17 (dd, J = 9.6, 7.3, **1H**, vinyl-CH). 6.0-6.08 (m, 2H, 2 vinyl-CH), 5.96 (dd, J = 9.3, 3.6, **1H**, vinyl-CH), 5.77 (ddd, J = 11.9, 3.1, 1.0, 1H, vinyl-CH), 3.96 (m, 1H, alkyl-CH), 3.38 (m, 1H, alkyl-CH); resonances from the minor isomer could be detected at 6.89 (d, J = 9.7, **2**H, vinyl-CH), 6.25 (dd, J = 9.7, 7.3, **2**H, vinyl-CH), 6.13 (m, **2**H, vinyl-CH), 6.00 (ddd, J = 12.0, 2.5, 1.0, **2**H, vinyl-CH), 4.16 (br s, **2**H, alkyl-CH); ¹³C NMR (CDCl₃) 199.3 (br), 133.4 (major), 132.8 (major), 132.3 (major), 131.6 (minor), 130.8 (major), 130.5 (major), 130.2 (minor), 129.8 (minor), 129.6 (major), 127.7 (minor), 126.9 (major), 104.2, 86.4, 48.5 (minor), 46.7 (major); MS (EI, 20 eV) m/e 638 (M⁺-4CO), 610 (M⁺-5CO), 582 (M⁺-6CO); 554 (M⁺-7CO), 526 (M⁺-8CO), 498 (M⁺-9CO), 470 (M⁺-10CO), 442 (M⁺-11CO), 414 (M⁺-12CO); HRMS (TOF) m/e for C₂₆H₁₀Co₄O₁₂ calcd. (M⁺) 749.7500, found 749.7515.

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