Correction to: One-step templated synthesis of chiral organometallic salicyloxazoline complexes

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Correction to: BMC Chem (2019) 13:51
https://doi.org/10.1186/s13065-019-0565-z
Following publication of the original article [1], the authors reported an error in Schemes 1 and 2 and repeated line in subsection “Bis(ligand) nickel(II) chelate (NiL12)”. Please see below for the revised Schemes 1 and 2 and the corrected paragraph.

Bis(ligand) nickel (II) chelate (NiL12)
Prepared using the procedure described for compound 1 by refluxing a mixture of 2-cyanophenol (2.3001 g, 19.33 mmol), Ni(OAc)2·4H2O (2.4528 g, 9.86 mmol) or NiCl2·6H2O (2.4374 g, 10.25 mmol) and d-phenylglycinol (4.2318 g) in 40 mL of dry chlorobenzene for 60 h. The product was obtained as dark brown crystals (2.5112 g in 92% yield or 2.6949 g) in 95% yield after column chromatography (petroleum ether/CH2Cl2, 4/1). m.p.: 196–198 °C, [α]D25 = +119.57° (c = 0.0488, CH3OH). 1H NMR (600 MHz, CDCl3 and DMSO, 27°C): 7.85–7.86 (m, 2H), 7.22–7.49 (m, 12H), 6.46(d, J = 7.3 Hz, 2H), 6.30 (t, J = 6.4 Hz, 2H), 5.70–5.98 (m, 2H), 4.54–4.62 (m, 2H), 4.32–4.41 (m, 2H); δ C (150 MHz, CDCl3): 164.5, 164.4, 142.3, 133.5, 127.3, 126.0, 125.7, 124.3, 113.1, 107.8, 107.7×2), 72.6, 72.5, 67.0, 65.1, 65.0. ν max (cm⁻¹): 3453, 3024, 2906, 1617, 1541, 1475, 1447, 1394, 1349, 1265, 1235.

Scheme 1 Templated synthesis of complexes 1–4

1,2,3: R₁: D-Ph
1: Cu(OAc)2, 65% or CuCl2, 85%
2: Ni(OAc)2, 92% or NiCl2, 95%
3: CoCl2, 72%
4: R₁:L-CH2Ph; PdCl2, 86%

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1231, 1154, 1077, 1029, 949, 931, 85.5, 755, 695, 574, 533, 415. Elemental analysis for C_{30}H_{24}N_{2}O_{4}Ni requires C: 67.32%, H: 4.52%, N: 5.23%; found: C: 67.22%, H: 4.39%, N: 5.26%.

**Tri(ligand) cobalt chelate (CoL1)***

Prepared using the procedure described for compound 1 by refluxing a mixture of 1.5671 g of Co(OAc)_{2}·4H_{2}O (6.29 mmol), 2-cyanophenol (1.7699 g, 14.86 mmol) and D-phenylglycinol (3.6798 g) in 40 mL of dry chlorobenzene for 60 h. The product was obtained in 70% yield (2.5424 g) as dark brown crystals after column chromatography (petroleum ether/CH_{2}Cl_{2}, 4/1). m.p.: 174–176 °C, [α]_{D}^{25} = −1014.1° (0.0212, CH_{3}OH), δH(600 MHz, CDCl_{3}, 27 °C) 7.50–7.52 (m, 1H), 7.23–7.24 (m, 1H), 6.87–6.97 (m, 9H), 6.74–6.80 (m, 7H), 6.56 (d, J = 8.56 Hz, 1H), 6.45–6.49 (m, 3H), 6.41 (d, J = 8.5 Hz, 1H), 6.24–6.27 (m, 2H), 5.45–5.48 (m, 1H), 5.29–5.32 (m, 1H), 4.91–4.92 (m, 2H), 4.79–4.82 (m, 2H), 4.33–4.36 (m, 1H), 4.26–4.28 (m, 2H); δC (150 MHz, CDCl_{3}) 170.1, 170.0, 168.9, 166.2, 165.3, 164.8, 140.3, 139.8, 133.1 (× 2), 132.3, 128.1, 128.0, 127.7, 127.5, 127.4, 127.1, 126.8, 125.3, 124.4, 123.7, 122.9, 113.9, 113.5, 113.1), 112.9, 109.2, 107.6, 75.8, 75.2, 66.8, 66.1, 63.8. v_{max} (cm^{−1}): 3448, 3061, 1617, 1583, 1541, 1488, 1455, 1442, 1396, 1347, 1265, 1225, 1152, 1078, 949, 931, 856, 756, 747, 728, 696, 593, 577, 545, 409. Elemental analysis for C_{46}H_{38}Cl_{2}N_{3}O_{6}Co requires C: 64.34%, H: 4.46%, N: 4.89%; found: C: 64.48%, H: 4.27, N: 4.90%.

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The original article can be found online at https://doi.org/10.1186/s13065-019-0565-z.
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Received: 17 April 2019  Accepted: 17 April 2019
Published online: 10 May 2019

Reference
1. Luo M, Zhang JC, Yin H, Wang CM, Morris-Natschke S, Lee K-H (2019) One-step templated synthesis of chiral organometallic salicyloxazoline complexes. BMC Chem. 13:51. https://doi.org/10.1186/s13065-019-0565-z