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Erratum

Erratum to: "Synthese und Struktur von {{*N*-[Bis-(diisopropylamino)phosphanyl]amino(phenyl)carben}dicarbonyl-(η^5-methylcyclopentadienyl)mangan(0)} und versuchte Darstellung von {[2-Bis(trimethylsilyl)methyl-3-phenyl-2*H*-azaphosphiren-κ*P*]dicarbonyl(η^5-methylcyclopentadienyl)mangan(0)}" [Journal of Organometallic Chemistry 595 (2000) 12–20]☆

Rainer Streubel *, Markus Hobbold, Jörg Jeske, Peter G. Jones

Institut für Anorganische und Analytische Chemie der Technischen Universität Braunschweig, Postfach 3329, D-38023 Braunschweig, Germany

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Diese Arbeit widmen wir Herrn Professor Gottfried Märkl zum 70. Geburtstag.

On page 15 Abb. 1 should read Röntgenstrukturanalyse von **3**.

On page 16 line 7 should read Komplexe **3** (Tabelle 1–5) und **7b** (Tabellen 6–9). Please find Tables 6–9 on the next pages. On the same page line 20 and 22 should read **3** (instead of **4a**).

On page 20 Ref. [22] should read five times **3** (instead of **3a**).

☆ PII of original article: S0022-328X(99)00498-2.

* Corresponding author.

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Tabelle 6
Kristalldaten und Strukturverfeinerung von **7b**

Strukturkennzeichen	erfolg
Summenformel	$C_{27}H_{41}MnN_3O_2P$
Molmasse	525.54
Temperatur (K)	173(2)
Wellenlänge (pm)	71.073
Kristallsystem	Monoklin
Raumgruppe	$P2_1/c$
Zelldimensionen	
a (pm)	1461.6(2)
b (pm)	975.1(2)
c (pm)	2020.1(2)
α (°)	90
β (°)	103.620(10)
γ (°)	90
Zellvolumen (nm^3), Z	2.7981(6), 4
Berechnete Dichte (Mg m^{-3})	1.248
Absorptionskoeffizient (mm^{-1})	0.556
F(000)	1120
Kristallgröße (mm)	$0.65 \times 0.60 \times 0.45$
Gemessener θ-Bereich (°)	3.05–27.50
Indexgrenzen	$-17 \le h \le 17$, $-12 \le k \le 0$, $-24 \le l \le 24$
Anzahl der gemessenen Reflexe	8028
Unabhängige Reflexe	5798 ($R_{int} = 0.0252$)
Absorptionskorrektur	Psi-Scans
Max. und min. Transmission	0.845 und 0.710
Strukturverfeinerung	Vollmatrix Least-Squares an F^2
Daten/Restraints/Parameter	5798/246/317
Goodness-of-Fit an F^2	0.992
Endgültige R-Werte [$I > 2\sigma(I)$]	$R_1 = 0.0310$, $wR_2 = 0.0814$
R-Werte (sämtliche Daten)	$R_1 = 0.0416$, $wR_2 = 0.0845$
Größtes Maximum und Minimum (e nm^{-3})	360 und -433

Tabelle 7
Atomkoordinaten ($\times 10^4$) und äquivalente isotrope Auslenkungsparameter (pm$^2 \times 10^{-1}$) für **7b**. U_{eq} wird berechnet als ein Drittel Spur des orthogonalen U_{ij}-Tensors

	x	y	z	U_{eq}
Mn	6844.8(2)	3926.0(2)	2213.9(1)	20.9(1)
P	8137.8(3)	5973.8(4)	555.4(2)	21.6(1)
O(1)	5723.5(10)	6450.1(15)	2057.1(8)	51.1(4)
O(2)	5781.0(10)	2556.0(14)	981.4(7)	48.9(4)
N(1)	7510.7(9)	5323.5(14)	−183.0(7)	26.5(3)
N(2)	7836.5(9)	7613.2(13)	641.4(7)	26.7(3)
N(3)	7490.7(9)	5158.6(13)	1097.2(6)	23.6(3)
C(1)	6150.3(11)	5437(2)	2106.5(9)	30.9(4)
C(2)	6208.9(12)	3139(2)	1459.4(9)	30.0(4)
C(3)	6548.5(13)	3542(2)	3198.1(8)	32.0(4)
C(4)	6457.4(12)	2314(2)	2820.3 (8)	29.6(4)
C(5)	7342.4(12)	2001(2)	2676.1(8)	29.8(4)
C(6)	7978.6(12)	3038(2)	2965.5(8)	32.7(4)
C(7)	7502.8(13)	3985(2)	3286.6(8)	34.9(4)
C(8)	5801(2)	4215(2)	3479.0(12)	54.2(6)
C(9)	7672.9(10)	4926.7(14)	1766.0(8)	20.4(3)
C(10)	8581.7(11)	5526.2(14)	2158.2(7)	21.1(3)
C(11)	8612.2(11)	6439(2)	2697.5(8)	25.6(3)
C(12)	9467.1(12)	6911(2)	3081.3(9)	31.9(4)
C(13)	10305.3(12)	6474(2)	2943.8(9)	31.6(4)
C(14)	10282.1(11)	5555(2)	2418.6(9)	29.2(3)
C(15)	9431.4(11)	5098.8(15)	2025.4(8)	23.6(3)
C(16)	6521.6(12)	5631(2)	−515.8(8)	32.1(4)
C(17)	5872.7(14)	4390(2)	−563.3(10)	41.8(4)
C(18)	6438.6(15)	6278(2)	−1217.9(10)	44.1(5)
C(19)	7988.2(13)	4279(2)	−520.4(8)	31.8(4)
C(20)	8335(2)	3050(2)	−61.5(10)	48.7(5)
C(21)	8774.2(14)	4900(2)	−798.8(10)	44.8(5)
C(22)	6948.9(12)	8144(2)	774.7(9)	33.9(4)
C(23)	6405(2)	9076(2)	207.8(12)	52.3(6)
C(24)	7122.2(15)	8876(2)	1464.2(10)	45.3(5)
C(25)	8553.9(13)	8652(2)	575.5(9)	34.4(4)
C(26)	9487.6(13)	8416(2)	1079.2(10)	39.8(4)
C(27)	8676(2)	8747(2)	−147.8(11)	60.7(7)

Tabelle 8
Bindungslängen [pm] und–winkel [°] für **7b**

Mn–C(2)	176.3(2)	Mn–C(1)	177.3(2)
Mn–C(9)	193.7(2)	Mn–C(5)	214.5(2)
Mn–C(4)	214.9(2)	Mn–C(6)	214.9(2)
Mn–C(7)	215.5(2)	Mn–C(3)	216.5(2)
P–N(2)	167.80(13)	O(1)–C(1)	168.03(14)
P–N(3)	179.21(13)	P–N(1)	116.0(2)
O(2)–C(2)	116.7(2)	N(1)–C(16)	147.4(2)
N(1)–C(19)	148.8(2)	N(2)–C(22)	147.9(2)
N(2)–C(25)	148.6(2)	N(3)–C(9)	133.4(2)
N(3)–H(3)	88.0	C(3)–C(4)	141.0(2)
C(3)–C(7)	143.1(3)	C(3)–C(8)	149.6(3)
C(4)–C(5)	142.4(2)	C(5)–C(6)	140.4(2)
C(6)–C(7)	140.4(3)	C(9)–C(10)	149.6(2)
C(10)–C(15)	139.5(2)	C(10)–C(11)	139.9(2)
C(11)–C(12)	138.5(2)	C(12)–C(13)	138.6(2)
C(13)–C(14)	138.3(2)	C(14)–C(15)	138.2(2)
C(16)–C(17)	152.7(3)	C(16)–C(18)	153.1(2)
C(19)–C(21)	151.9(3)	C(19)–C(20)	152.6(2)
C(22)–C(23)	153.0(3)	C(22)–C(24)	153.2(2)
C(25)–C(26)	151.6(3)	C(25)–C(27)	151.6(3)
C(2)–Mn–C(1)	94.94(8)	C(2)–Mn–C(9)	94.35(7)
C(1)–Mn–C(9)	85.81(7)	C(2)–Mn–C(5)	92.92(7)
C(1)–Mn–C(5)	154.91(7)	C(9)–Mn–C(5)	117.31(6)
C(2)–Mn–C(4)	91.05(7)	C(1)–Mn–C(4)	117.22(7)
C(9)–Mn–C(4)	155.82(6)	C(5)–Mn–C(4)	38.74 (6)
C(2)–Mn–C(6)	126.67(8)	C(1)–Mn–C(6)	138.18(7)
C(9)–Mn–C(6)	94.03(6)	C(5)–Mn–C(6)	38.18(7)
C(4)–Mn–C(6)	64.23(7)	C(2)–Mn–C(7)	154.24 (7)
C(1)–Mn–C(7)	101.99(8)	C(9)–Mn–C(7)	106.03 (7)
C(5)–Mn–C(7)	63.93(7)	C(4)–Mn–C(7)	63.99(6)
C(6)–Mn–C(7)	38.07(7)	C(2)–Mn–C(3)	122.68(7)
C(1)–Mn–C(3)	91.34(7)	C(9)–Mn–C(3)	142.96 (7)
C(5)–Mn–C(3)	64.52(6)	C(4)–Mn–C(3)	38.14 (6)
C(6)–Mn–C(3)	64.48(7)	C(7)–Mn–C(3)	38.68 (7)
N(2)–P–N(1)	110.48(7)	N(2)–P–N(3)	99.80(6)
N(1)–P–N(3)	96.82(7)	C(16)–N(1)–C(19)	116.47(13)
C(16)–N(1)–P	126.82(11)	C(19)–N(1)–P	116.64(11)
C(22)–N(2)–C(25)	116.45(13)	C(22)–N(2)–P	127.94(11)
C(25)–N(2)–P	115.61(11)	C(9)–N(3)–P	133.30(11)
C(9)–N(3)–H(3)	113.35(9)	P–N(3)–H(3)	113.35(4)
O(1)–C(1)–Mn	177.2(2)	O(2)–C(2)–Mn	176.3(2)
C(4)–C(3)–C(7)	106.8(2)	C(4)–C(3)–C(8)	126.4(2)
C(7)–C(3)–C(8)	126.7(2)	C(4)–C(3)–Mn	70.32(9)
C(7)–C(3)–Mn	70.28(9)	C(8)–C(3)–Mn	126.47(14)
C(3)–C(4)–C(5)	108.6(2)	C(3)–C(4)–Mn	71.54(9)
C(5)–C(4)–Mn	70.50(9)	C(6)–C(5)–C(4)	107.8(2)
C(6)–C(5)–Mn	71.04(10)	C(4)–C(5)–Mn	70.77(9)
C(7)–C(6)–C(5)	108.3(2)	C(7)–C(6)–Mn	71.20(10)
C(5)–C(6)–Mn	70.79(9)	C(6)–C(7)–C(3)	108.6(2)
C(6)–C(7)–Mn	70.73 (9)	C(3)–C(7)–Mn	71.04(10)
N(3)–C(9)–C(10)	114.25(13)	N(3)–C(9)–Mn	124.13(11)
C(10)–C(9)–Mn	121.61(11)	C(15)–C(10)–C(11)	118.25(14)
C(15)–C(10)–C(9)	120.08(13)	C(11)–C(10)–C(9)	121.49(14)
C(12)–C(11)–C(10)	120.4(2)	C(11)–C(12)–C(13)	120.6(2)
C(14)–C(13)–C(12)	119.3(2)	C(15)–C(14)–C(13)	120.4(2)
C(14)–C(15)–C(10)	121.0(2)	N(1)–C(16)–C(17)	113.3(2)
N(1)–C(16)–C(18)	111.2(2)	C(17)–C(16)–C(18)	110.8(2)
N(1)–C(19)–C(21)	111.96(14)	N(1)–C(19)–C(20)	112.55(14)
C(21)–C(19)–C(20)	111.5(2)	N(2)–C(22)–C(23)	113.2(2)
N(2)–C(22)–C(24)	111.3(2)	C(23)–C(22)–C(24)	110.4(2)
N(2)–C(25)–C(26)	112.26(14)	N(2)–C(25)–C(27)	111.9(2)
C(26)–C(25)–C(27)	111.4(2)		

Tabelle 9
H-Atomkoordinaten ($\times 10^4$) und äquivalente isotrope Auslenkungsparameter ($pm^2 \times 10^{-1}$) für **7b**

	x	*y*	*z*	U_{eq}
H(3)	6938.2(9)	4847(1)	876(1)	45(6)
H(4)	5899.4(12)	1784(2)	2685(1)	36
H(5)	7478.0(12)	1230(2)	2428(1)	36
H(6)	8621.3(12)	3089(2)	2947(1)	39
H(7)	7769.7(13)	4786(2)	3523(1)	42
H(8A)	5902(6)	5210 (3)	3499(7)	65
H(8B)	5831(7)	3866(11)	3938(3)	65
H(8C)	5181(2)	4012(12)	3184(4)	65
H(11)	8042.9(11)	6736(2)	2801(1)	31
H(12)	9478.9(12)	7541(2)	3442(1)	38
H(13)	10890.1(12)	6802(2)	3208(1)	38
H(14)	10854.3(11)	5237(2)	2327(1)	35
H(15)	9425.4(11)	4485(2)	1659(1)	28
H(16)	6297.8(12)	6330(2)	−228(1)	38
H(17A)	5218(2)	4682(3)	−732(6)	50
H(17B)	5951(7)	3976(8)	−111(2)	50
H(17C)	6033(6)	3715(6)	−877(5)	50
H(18A)	5790(3)	6587(12)	−1400(3)	53
H(18B)	6606(9)	5598(4)	−1527(2)	53
H(18C)	6867(7)	7063(8)	−1177(1)	53
H(19)	7506.2(13)	3924(2)	−920(1)	38
H(20A)	8591(9)	2356(6)	−319(2)	58
H(20B)	7808(3)	2657(9)	99(6)	58
H(20C)	8827(7)	3348(3)	330(4)	58
H(21A)	9054(6)	4189(4)	−1032(6)	54
H(21B)	9258(5)	5278(12)	−423(1)	54
H(21C)	8518(2)	5633(9)	−1121(5)	54
H(22)	6538.7(12)	7334(2)	800(1)	41
H(23A)	5793(4)	9306(12)	298(4)	63
H(23B)	6310(9)	8600(6)	−230(2)	63
H(23C)	6765(5)	9919(7)	193(5)	63
H(24A)	6518(2)	9140(12)	1557(3)	54
H(24B)	7504(8)	9697(7)	1453(2)	54
H(24C)	7455(8)	8257(5)	1823(1)	54
H(25)	8313.6(13)	9562(2)	688(1)	41
H(26A)	9916(3)	9175(7)	1052(5)	48
H(26B)	9764(4)	7553(7)	970(4)	48
H(26C)	9387(2)	8365(13)	1541(1)	48
H(27A)	9093(9)	9517(10)	−183(2)	73
H(27B)	8061(2)	8892(15)	−461(1)	73
H(27C)	8953(10)	7893(7)	−267(3)	73