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Structurally Characterized Coinage-Metal–Ethylene Complexes

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A few data in Table 1 on page 512 of the original article[1] are erroneous; the correct Table 1 is given below with the changes indicated in bold and italic.

The Authors

Table 1. Selected structural parameters and NMR spectroscopic data for coinage-metal–ethylene complexes: CN = coordination number at the coinage metal; for *d*(M–C) and *d*(C=C), average bond lengths are given if more than one is present; ^{1}H and ^{13}C NMR data in $CDCl_3$ unless otherwise noted.

Compound	CN	*d*(M–C) [Å]	*d*(C=C) [Å]	$\delta(^1H)$ [ppm]	$\delta(^{13}C)$ [ppm]/$^1J_{CH}$ [Hz]	Ref.
$[HB\{3,5\text{-}(CF_3)_2Pz\}_3]Cu(C_2H_4)$	4	2.022(6)	1.325(9)	4.96	***89.5***/161 ***(C_6D_{12})***	[82]
$[HB\{3\text{-}(CF_3)Pz\}_3]Cu(C_2H_4)$	4	2.009(9)	1.34(1)	4.80	***85.8***/158 ***(C_6D_6)***	[82]
$[HB\{3\text{-}(CF_3)\text{-}5\text{-}(Ph)Pz\}_3]Cu(C_2H_4)$	4	2.012(11)	1.30(1)	4.91	85.7/159 ***(C_6D_6)***	[82]
$[MeB\{3\text{-}(CF_3)Pz\}_3]Cu(C_2H_4)$	4	2.038(3)	1.334(4)	4.80	85.4/161	[103]
$[Bu^t_2P(NSiMe_3)_2]Cu(C_2H_4)$	3	1.987(3)	1.362(6)	3.48 (C_6D_6)	73/158	[104]
$[HC\{(Me)C(2,6\text{-}Me_2C_6H_3)N\}_2]Cu(C_2H_4)$	3	1.989(2)	1.365(3)	2.919 (C_6D_6)	74.7/158	[107]
$[N\{(C_3F_7)C(C_6F_5)N\}_2]Cu(C_2H_4)$	3	2.014(3)	1.364(4)	3.86	86.1	[109]
$[(tmen)Cu(C_2H_4)]ClO_4$	3	***1.96(1)***	1.36(1)	4.16 (CD_3COCD_3)		[114]
$[(bpy)Cu(C_2H_4)]ClO_4$	3	1.992(12)	1.353(15)	4.92 (CD_3COCD_3)		[111]
$[(phen)Cu(C_2H_4)]ClO_4$	3	2.010(13)	1.361(22)	5.00 (CD_3COCD_3)		[111]
$[Cu(NH(py)_2)(C_2H_4)]ClO_4$	3	2.019 (3)	1.359 (7)	4.70 (CD_3COCD_3)		[110]
$[Cu(Hhq)_2(C_2H_4)]ClO_4$	3	2.046(6)	1.32(1)	5.22 (CD_3COCD_3)		[113]
$\{[Cu_2(bpm)_2(C_2H_4)(Me_2CO)](ClO_4)_2\}_n$	3	2.022(6)	1.30(1)			[112]
$\beta\text{-}(C_2H_4)CuAlCl_4$	4	2.089	1.34		105 (solid)	[86]
$(C_2H_4)_2CuAlCl_4$	5[a]	2.137	1.34		109 (solid)	[86]
$[Cu(C_2H_4)_3][Al\{OC(CF_3)_3\}_4]$	3	2.147(1)	1.331(16)	5.47 (CD_2Cl_2)	110.0	[87]
$[HB\{3,5\text{-}(CF_3)_2Pz\}_3]Ag(C_2H_4)$	4	2.301(7)	1.298(14)	5.56 (C_6D_{12})	104.9/164	[83]
$[MeB\{3\text{-}(CF_3)Pz\}_3]Ag(C_2H_4)$	4	2.2822(18)	1.340(4)	5.47	104	[125]
$[MeB\{3\text{-}(C_2F_5)Pz\}_3]Ag(C_2H_4)$	4	2.301(2)	1.314(4)	5.48 (CD_2Cl_2)	105.5/161	[124]
$[MeB\{3\text{-}(Mes)Pz\}_3]Ag(C_2H_4)$	4	2.27(3)	1.323(12)	3.42	95.4	[126]
$[PhB\{3\text{-}(CF_3)Pz\}_3]Ag(C_2H_4)$	3	2.265(4)	1.296(7)	4.72	101.7	[125]
$[HC\{(CF_3)C(3,5\text{-}\{CF_3\}_2C_6H_3)N\}_2]Ag(C_2H_4)$	3	2.22(2)	1.392(19)	3.78 (C_6D_6)		[127]
$[\{Ag(C_2H_4)\}_3\{OC(CF_3)_3\}_2][Al\{OC(CF_3)_3\}_4]$	3	2.289(8)	1.351(15)	5.54 (CD_2Cl_2)	112.2	[128]
$[Ag(C_2H_4)_3][Al\{OC(CF_3)_3\}_4]$	3	2.396(5)	1.304(10)	5.77 (CD_2Cl_2)	116.4	[85]
$[HB\{3,5\text{-}(CF_3)_2Pz\}_3]Au(C_2H_4)$	3	2.102(6)	***1.380(10)***	3.81	63.7/***165***	[84]
$[HB\{3\text{-}(CF_3)\text{-}5\text{-}(Ph)Pz\}_3]Au(C_2H_4)$	3	2.095(5)	***1.387(9)***	3.69	59.3/165	[84]
$[Au(C_2H_4)_3][SbF_6]$	3	2.268(5)	***1.364(7)***	4.94 (CD_2Cl_2)	92.7	[88]
C_2H_4			1.313(1) (X-ray) 1.3369(16) (electr. diff.)	5.40 (CD_2Cl_2)	123.3/156	[82,151,152]

[a] Three-coordinate Cu has two weak Cu···Cl contacts.

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