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Correction: C–H activation and subsequent C–C bond formation in rigid alkenes catalyzed by Ru(III) metallates

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Correction for ‘C–H activation and subsequent C–C bond formation in rigid alkenes catalyzed by Ru(III) metallates’ by S. Dharani *et al.*, *React. Chem. Eng.*, 2023, **8**, 164–174, <https://doi.org/10.1039/D2RE00317A>.

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The authors regret that several incorrect values were input into Tables 1 and 2 in the original manuscript. The corrected Tables 1 and 2 are as shown below.

Table 1 Crystallographic data of the ligand HL² and complexes RuL¹ and RuL²

	HL ²	RuL ¹	RuL ²
Empirical formula	C ₁₄ H ₁₇ N ₃ O ₂ S	C ₂₃ H ₂₈ N ₃ O ₆ RuS	C ₂₄ H ₃₀ N ₃ O ₆ RuS
Formula weight	291.36	575.61	589.64
Temperature	100(2) K	100(2) K	100(2) K
Wavelength	0.7107 Å	1.5418 Å	1.5418 Å
Crystal system	Orthorhombic	Triclinic	Triclinic
Space group	<i>Pbca</i>	<i>P</i> $\bar{1}$	<i>P</i> $\bar{1}$
Unit cell dimensions			
<i>a</i>	13.021(2) Å	9.247(4) Å	8.641(2) Å
<i>b</i>	10.688(2) Å	11.966(4) Å	12.432(5) Å
<i>c</i>	20.554(3) Å	11.968(5) Å	13.006(7) Å
α	90°	63.486(4)°	63.222(5)°
β	90°	87.750(3)°	82.336(3)°
γ	90°	86.958(3)°	86.701(3)°
Volume	2860.5(8) Å ³	1183.2(9) Å ³	1236.3(10) Å ³
<i>Z</i>	8	2	2
Density	1.353 Mg m ⁻³	1.616 Mg m ⁻³	1.584 Mg m ⁻³
Absorption coefficient	0.231 mm ⁻¹	6.575 mm ⁻¹	6.307 mm ⁻¹
<i>F</i> (000)	1232	590	606
θ range for data collection	2.525 to 28.351°	4.094 to 72.914°	3.963 to 73.132°
Limiting indices	-17 ≤ <i>h</i> ≤ 17, -13 ≤ <i>k</i> ≤ 14, -27 ≤ <i>l</i> ≤ 27	-11 ≤ <i>h</i> ≤ 9, -14 ≤ <i>k</i> ≤ 14, -14 ≤ <i>l</i> ≤ 14	-10 ≤ <i>h</i> ≤ 10, -12 ≤ <i>k</i> ≤ 15, -16 ≤ <i>l</i> ≤ 16
Reflections collected	50 114	13 457	14 034
Independent reflections	3579 [<i>R</i> (int) = 0.0759]	4639 [<i>R</i> (int) = 0.0224]	4852 [<i>R</i> (int) = 0.0290]
Absorption correction	Semi-empirical from equivalents	Gaussian and multi scan	Gaussian and multi scan
Refinement method	Full-matrix least-squares on <i>F</i> ²	Full-matrix least-squares on <i>F</i> ²	Full-matrix least-squares on <i>F</i> ²
Data/restraints/parameters	3579/49/215	4639/0/317	4852/0/326
Goodness-of-fit on <i>F</i> ²	1.044	1.038	1.037
Final <i>R</i> indices [<i>I</i> > 2σ(<i>I</i>)]	<i>R</i> ₁ = 0.0529, w <i>R</i> ₂ = 0.1417	<i>R</i> ₁ = 0.0266, w <i>R</i> ₂ = 0.0687	<i>R</i> ₁ = 0.0227, w <i>R</i> ₂ = 0.0578
<i>R</i> indices (all data)	<i>R</i> ₁ = 0.0819, w <i>R</i> ₂ = 0.1269	<i>R</i> ₁ = 0.0273, w <i>R</i> ₂ = 0.0693	<i>R</i> ₁ = 0.0243, w <i>R</i> ₂ = 0.0590

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Table 2 Selected bond lengths (Å) and bond angles (°) of the ligand HL² and the Ru(III) complexes RuL¹ and RuL²

Bond lengths	HL ²	RuL ¹	RuL ²
O(1)–C(1)	1.258(03)	—	—
N(1)–C(1)	1.405(03)	—	—
N(1)–N(2)	1.369(03)	1.406(03)	1.405(02)
S(1)–C(4)	1.654(03)	—	—
N(3)–C(4)	1.488(07)	—	—
Ru(1)–N(1)	—	2.011(18)	2.000(15)
Ru(1)–S(1)	—	2.329(06)	2.337(05)
Ru(1)–O(3)	—	2.012(15)	2.023(13)
Ru(1)–O(4)	—	2.065(15)	2.018(13)
Ru(1)–O(5)	—	2.022(15)	2.061(13)
Ru(1)–O(6)	—	2.025(16)	2.016(13)
Bond angles			
N(1)–Ru(1)–S(1)	—	84.61(5)	83.32(4)
S(1)–Ru(1)–O(3)	—	89.81(5)	93.31(4)
O(3)–Ru(1)–O(6)	—	88.37(6)	179.05(5)
O(6)–Ru(1)–O(4)	—	86.82(7)	88.26(5)
O(4)–Ru(1)–O(5)	—	87.65(6)	86.43(5)
O(5)–Ru(1)–N(1)	—	89.86(7)	98.06(6)
O(3)–Ru(1)–O(4)	—	91.98(6)	90.87(5)
O(5)–Ru(1)–S(1)	—	90.52(5)	178.55(4)
O(5)–Ru(1)–O(6)	—	90.29(6)	93.34(5)
O(6)–Ru(1)–S(1)	—	91.06(5)	87.12(4)
N(1)–Ru(1)–O(3)	—	91.51(7)	90.75(6)
N(1)–Ru(1)–O(4)	—	97.51(7)	175.32(5)
N(1)–Ru(1)–O(6)	—	175.67(7)	90.14(6)
S(1)–Ru(1)–O(4)	—	177.19(4)	92.21(4)
O(3)–Ru(1)–O(5)	—	178.62(6)	86.22(5)

The Royal Society of Chemistry apologizes for these errors and any consequent inconvenience to authors and readers.

