

CORRECTION

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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>.

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 HL^2 and complexes RuL^1 and RuL^2

	HL^2	RuL^1	RuL^2
Empirical formula	$\text{C}_{14}\text{H}_{17}\text{N}_3\text{O}_2\text{S}$	$\text{C}_{23}\text{H}_{28}\text{N}_3\text{O}_6\text{RuS}$	$\text{C}_{24}\text{H}_{30}\text{N}_3\text{O}_6\text{RuS}$
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	$P\bar{b}ca$	$P\bar{1}$	$P\bar{1}$
Unit cell dimensions			
a	13.021(2) Å	9.247(4) Å	8.641(2) Å
b	10.688(2) Å	11.966(4) Å	12.432(5) Å
c	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
Z	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
$F(000)$	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	$-17 \leq h \leq 17$, $-13 \leq k \leq 14$, $-27 \leq l \leq 27$	$-11 \leq h \leq 9$, $-14 \leq k \leq 14$, $-14 \leq l \leq 14$	$-10 \leq h \leq 10$, $-12 \leq k \leq 15$, $-16 \leq l \leq 16$
Reflections collected	50 114	13 457	14 034
Independent reflections	3579 [$R(\text{int}) = 0.0759$]	4639 [$R(\text{int}) = 0.0224$]	4852 [$R(\text{int}) = 0.0290$]
Absorption correction	Semi-empirical from equivalents	Gaussian and multi scan	Gaussian and multi scan
Refinement method	Full-matrix least-squares on F^2	Full-matrix least-squares on F^2	Full-matrix least-squares on F^2
Data/restraints/parameters	3579/49/215	4639/0/317	4852/0/326
Goodness-of-fit on F^2	1.044	1.038	1.037
Final R indices [$I > 2\sigma(I)$]	$R_1 = 0.0529$, $wR_2 = 0.1417$	$R_1 = 0.0266$, $wR_2 = 0.0687$	$R_1 = 0.0227$, $wR_2 = 0.0578$
R indices (all data)	$R_1 = 0.0819$, $wR_2 = 0.1269$	$R_1 = 0.0273$, $wR_2 = 0.0693$	$R_1 = 0.0243$, $wR_2 = 0.0590$

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Table 2 Selected bond lengths (Å) and bond angles (°) of the ligand HL^2 and the Ru(III) complexes RuL^1 and RuL^2

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.

