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Supplementary Information

Unprecedented Monofunctionalized β-Anderson Clusters $[R_1R_2C(CH_2O)_2Mn^{IV}W_6O_{22}]^{6-}$: Potential Candidates for New Inorganic Linkers

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[b]

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1. General methods and materials.

All reagents were commercial available and used without further purification. Infrared spectroscopy was recorded on a Bruker Vertex FT-IR spectrometer with a ATR pike. Elementary analysis of C, N, H was performed by Elementar Analysen systeme GmbH (vario EL). Elementary analysis of metal was measured by ICP-OES on IRIS Intrepid II XSP (ThermoFisher). UV-Vis spectra were recorded on a UNICO UV-2102PC spectrophotometer in the range 300-700 nm. Thermal gravimetric analysis measurements were performed on with a Metter Toledo TGA/SDTA851 in flowing Ar (50ml/min) with a heating rate of 10K/min.

2. Synthesis of compound 1-4

Synthesis of $K_3Na_3[\{(HOCH_2)_2C(CH_2O)_2\}MnW_6O_{22}]\cdot 10H_2O$

A sample of $Na_2WO_4\cdot 2H_2O$ (5.96g, 18mmol) was dissolved in 50mL deionized water and 0.56g HNO_3 (68%w, 6mmol) was added. $Mn(Ac)_2$ (0.64g, 3mmol), 0.85g HNO_3 (68%w, 6mmol) and pentaerythrotol (0.82g, 6mmol) was dissolved in 10mL water and heated at 70℃ for 30 minutes. 1mL of 30% H_2O_2 were added into the the solution of Mn after cooling to room temperature, then the solution was slowly added into the solution of W drop by drop at 80℃. The solution was kept under 80℃ for 1h and cooled down to temperature. 2g KNO_3 and 10mL of DMF were added into the solution and the solution was kept under stirring for 30 min. The precipitate was removed by filtration and the filtrated sulotion was evaporated under room temperature. Orange-red crystal of the product and colourless crystal of paratungstate would crystallized within two weeks. The product was purified by recrystallization with deionized water for three times. Red-orange crystals of $K_3Na_3[\{(HOCH_2)_2C(CH_2O)_2\}MnW_6O_{22}]\cdot 10H_2O$ were obtained in a yield of 62% (based on W). Elemental analysis: found (calculated): C 3.02 (2.99), H 1.48 (1.50), K 6.02 (5.83), Na 3.62 (3.43), Mn 2.57 (2.78), W 57.0 (54.9) %. IR(cm^{-1}): 3351 (s, br), 2972 (w), 2930 (w), 2864 (w), 1651 (m), 1613 (m), 1465 (w), 1406 (w), 1374 (w), 1257 (w), 1156 (m), 1046 (m), 1032 (m, sh), 932 (s), 868 (s), 734 (m), 643 (s).

Synthesis of $K_{3.5}Na_{1.5}H[\{(HOCH_2)(H_2N)C(CH_2O)_2\}MnW_6O_{22}]\cdot 9.75H_2O$

The method was similar to compound **1** but with tri(hydroxymethyl)-aminomethane hydrochloride (0.95g, 6mmol) as the ligand instead of pentaerythrotol. Orange crystals of $K_{3.5}Na_{1.5}H[\{(HOCH_2)(H_2N)C(CH_2O)_2\}MnW_6O_{22}]\cdot 9.75H_2O$ were obtained in a yield of 58% (based on W). Elemental analysis: found (calculated): C 2.51 (2.43), H 1.46 (1.50), N 0.80 (0.71), K 7.16 (6.92), Na 3.22 (2.91), Mn 2.63 (2.78), W 58.5 (55.8) %. IR(cm^{-1}): 3369 (s, br), 2988 (w), 2902 (w), 1624 (m), 1521 (w), 1457 (w), 1394 (w), 1296 (w), 1250 (w), 1067 (m), 934 (s), 868 (s), 734 (m), 652 (s).

Synthesis of $K_4Na_2[\{(HOCH_2)(H_3CCH_2)C(CH_2O)_2\}MnW_6O_{22}]\cdot 8H_2O$

The method was similar to compound **1** but with 1,1,1-tri(hydroxymethyl)-propane (0.81g, 6mmol) as the ligand instead of pentaerythrotol. Red-orange crystals of $K_4Na_2[\{(HOCH_2)(H_3CCH_2)C(CH_2O)_2\}MnW_6O_{22}]\cdot 8H_2O$ were obtained in a yield of 46% (based on W). Elemental analysis: found (calculated): C 3.63 (3.62), H 1.38 (1.42), K 8.29 (7.86), Na 2.47 (2.31), Mn 2.88 (2.76), W 57.2 (55.5) %. IR(cm^{-1}): 3371 (s, br), 2978 (w),

2933 (w), 2867 (w), 1649 (m), 1468 (w), 1394 (w), 1377 (w), 1256 (w), 1236 (w), 1127 (w), 1061 (w, sh), 1039 (m), 981 (w), 928 (s), 867 (s), 724 (m), 646 (s).

Synthesis of $K_4NaH[\{(H_2N)(H_3C)C(CH_2O)_2\}MnW_6O_{22}]\cdot 9H_2O$

The method was similar to compound **1** but with 2-amino-2-methylpropane-1,3-diol hydrochloride (0.85g, 6mmol) as the ligand instead of pentaerythrotol. Orange crystals of $K_4NaH[\{(H_2N)(H_3C)C(CH_2O)_2\}MnW_6O_{22}]\cdot 9H_2O$ were obtained in a yield of 53% (based on W). Elemental analysis: found (calculated): C 2.43 (2.46), H 1.41 (1.45), N 0.75 (0.72), K 8.28 (8.02), Na 1.26 (1.18), Mn 2.81 (2.82), W 57.3 (56.6) %. IR(cm^{-1}): 3381 (s, br), 2927 (w), 1625 (m), 1521 (w), 1460 (w), 1395 (w), 1297 (w), 1126 (w), 1068 (m), 1032 (w), 932 (s), 893 (s, sh), 866 (s), 735 (m), 650 (s).

Synthesis of $K_7Na_2\{Ag[\{(HOCH_2)(H_3N)C(CH_2O)_2\}MnW_6O_{22}]_2\}\cdot 20.5H_2O$

0.20g (0.1mmol) of compound **2** was dissolved in 10mL deionized water under room temperature and 8.5mg (0.05mmol) of $AgNO_3$ was added into the solution with stirring. The solution was evaporated after filtrating under room temperature. Orange crystals suitable for X-ray diffraction analysis could be obtained in the solution with a yield of 51% (based on W) within several days. Elemental analysis: found (calculated): C 2.40 (2.37), H 1.44 (1.52), N 0.71 (0.69), K 7.72 (6.75), Na 1.36 (1.13), Ag 3.04 (2.66), Mn 2.77 (2.71), W 52.3 (54.4) %. IR(cm^{-1}): 3344 (s, br), 2987 (m), 2989 (m), 1618 (m), 1520 (w), 1458 (w), 1394 (w), 1250 (w), 1055 (m), 939 (s), 893 (s), 856 (s), 648 (s).

3. X-ray crystallography

The single crystal X-ray data were measured on SuperNova, Dual, Cu at zero, AtlasS2 (Rigaku) using Mo/K_α (λ=0.71073 Å) and Cu/K_α (λ=1.54184 Å). All compounds were measured at 100K. Data collection and reduction were performed in CrysAlisPro 1.171.38.43f. The structure solution and refinement were performed in SHLEX-97[1] and Olex1.2[2]. Cylinder model was used as the absorption correction. The empirical formula was determined by elemental analysis and TGA-DSC measurements. The structure was solved by direct methods and refined against F^2 by full-matrix least-squares techniques. All non-H atoms were refined anisotropically. Non-water hydrogen atoms were added in geometrically idealized position and constrained to ride on their parent atoms, with $U_{iso}(H)=1.2U_{eq}(C)$ for methylene and $U_{iso}(H)=1.5U_{eq}(O)$ for hydroxyl. Hydrogen atoms of crystal water molecules were omitted. Experimental data and CCDC-code can be found in Table S1 and S3.

Bond valence calculation was carried out with transition metal atoms and bridge oxygen atoms in the anion of compound **1** by $S=\Sigma\exp((R_o-R)/B)$, with W-O, Mn-O and C-O bonds involved. The value of R_o and B was from Brown[3] and Wood[4].

Table S1. Crystallographic data of compound **1-4.**

COMPOUND	1	2	3	4
CCDC CODE	2026635	2026636	2026637	2026638
EMPIRICAL FORMULA	$C_5H_{30}K_3MnNa_3O_{36}W_6$	$C_8H_{29.5}K_{3.5}MnNNa_{1.5}O_{34.75}W_6$	$C_6H_{28}K_4MnNa_2O_{33}W_6$	$C_4H_{28}K_{3.67}MnNNa_{1.33}O_{33}W_6$
FORMULA WEIGHT	2010.60	1977.16	1988.70	1950.35
TEMPERATURE/K	100.01(10)	100.00(10)	100.01(13)	100.00(10)
CRYSTAL SYSTEM	monoclinic	monoclinic	triclinic	monoclinic
SPACE GROUP	$P2_1/n$	P2/c	P-1	P2/c
A/Å	13.2176(4)	16.8017(9)	10.2889(3)	16.7373(6)
B/Å	16.9304(4)	12.0565(7)	10.7488(3)	12.0905(4)
C/Å	16.1942(4)	17.3015(10)	18.3923(6)	17.2671(5)
A/°	90	90	95.613(3)	90
B/°	91.781(2)	98.226(5)	97.191(3)	98.832(3)
Γ/°	90	90	111.820(3)	90
VOLUME/$Å^3$	3622.18(15)	3468.7(3)	1850.35(11)	3452.8(2)
Z	4	4	2	4
P_{CALC}G/CM^3	3.687	3.786	3.569	3.752
M/MM^{-1}	19.807	20.720	19.479	20.827
F(000)	3628.0	3562.0	1790.0	3505.0
CRYSTAL SIZE/MM^3	0.1 × 0.1 × 0.1	0.1 × 0.1 × 0.02	0.1 × 0.1 × 0.01	0.2 × 0.2 × 0.02
RADIATION	MoKα (λ = 0.71073)	MoKα (λ = 0.71073)	MoKα (λ = 0.71073)	MoKα (λ = 0.71073)
2Θ RANGE FOR DATA COLLECTION/°	6.622 to 50.018	6.666 to 50.018	6.782 to 49.998	6.622 to 50.014
INDEX RANGES	$-13 \leq h \leq 15$, $-16 \leq k \leq 20$, $-19 \leq l \leq 19$	$-19 \leq h \leq 17$, $-12 \leq k \leq 14$, $-20 \leq l \leq 16$	$-12 \leq h \leq 12$, $-12 \leq k \leq 12$, $-21 \leq l \leq 21$	$-13 \leq h \leq 19$, $-9 \leq k \leq 14$, $-20 \leq l \leq 20$
REFLECTIONS COLLECTED	18952	16183	27362	15589
INDEPENDENT REFLECTIONS	6386 [R_{int} = 0.0364, R_{sigma} = 0.0399]	6105 [R_{int} = 0.0679, R_{sigma} = 0.0821]	6501 [R_{int} = 0.0566, R_{sigma} = 0.0474]	6078 [R_{int} = 0.0342, R_{sigma} = 0.0453]
DATA/RESTRAINTS/PARAMETERS	6386/0/498	6105/42/495	6501/46/539	6078/12/486
GOODNESS-OF-FIT ON F^2	1.052	1.066	1.160	1.070
FINAL R INDEXES [I>=2Σ (I)]	R_1 = 0.0269, wR_2 = 0.0496	R_1 = 0.0508, wR_2 = 0.1019	R_1 = 0.0511, wR_2 = 0.1133	R_1 = 0.0337, wR_2 = 0.0811
FINAL R INDEXES [ALL DATA]	R_1 = 0.0325, wR_2 = 0.0518	R_1 = 0.0688, wR_2 = 0.1123	R_1 = 0.0595, wR_2 = 0.1169	R_1 = 0.0402, wR_2 = 0.0859
LARGEST DIFF. PEAK/HOLE / E $Å^{-3}$	0.95/-1.15	1.81/-1.56	3.47/-2.42	2.47/-1.83

Table S2. Bond valence calculation result of selected atoms in compound **1**.

Atom name	Predicted valence	Calculated valence
Mn1	+4	4.037
W1	+6	5.979
W2	+6	6.042
W3	+6	5.985
W4	+6	5.998
W5	+6	6.009
W6	+6	6.027
O1	-2	2.023
O2	-2	2.016
O3	-2	1.703
O4	-2	1.715
O5	-2	1.862
O6	-2	1.824
O7	-2	1.875
O8	-2	1.894
O9	-2	1.896
O10	-2	1.904
O11	-2	1.945
O12	-2	2.020

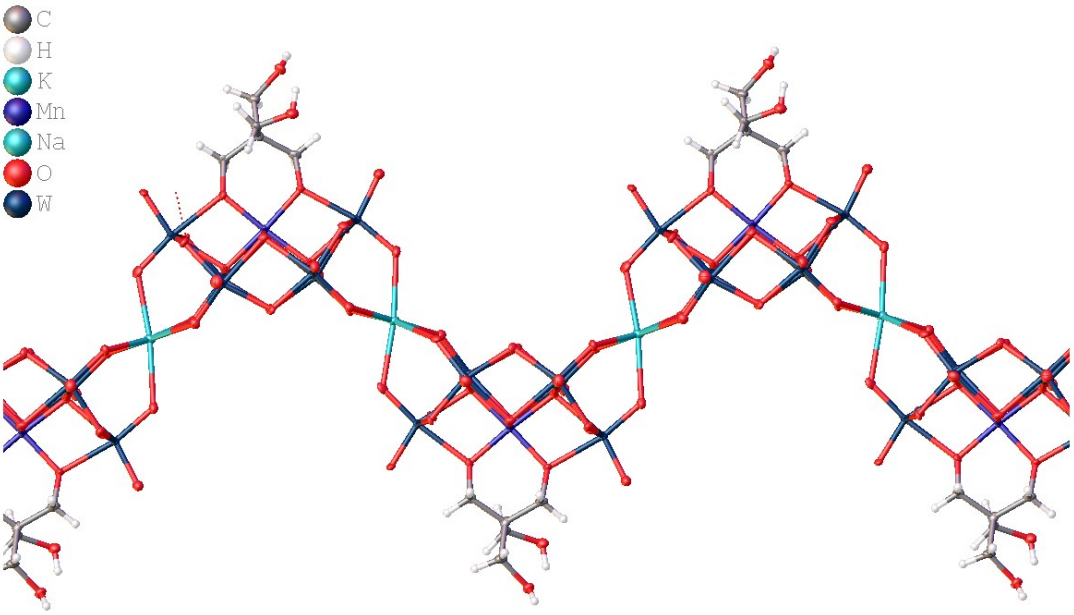

Figure S1. POM-Na chain in compound **1**.

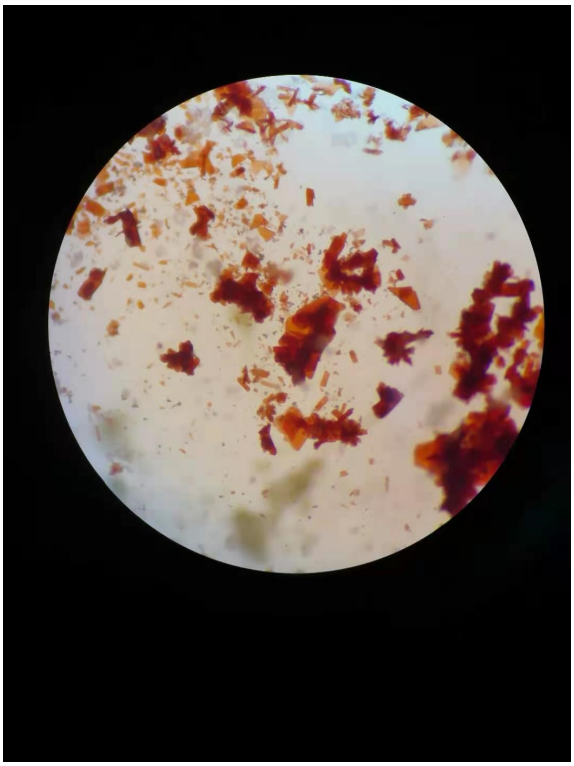

Figure S2. Image of compoud 2.

Table S3. Crystallographic data of Ag-**2** complex

COMPLEX NAME	AG-2
CCDC CODE	2026640
EMPIRICAL FORMULA	$C_8H_{61}AgK_7Mn_2N_2Na_2O_{70.5}W_{12}$
FORMULA WEIGHT	4057.21
TEMPERATURE/K	109.7(7)
CRYSTAL SYSTEM	triclinic
SPACE GROUP	P-1
A/Å	11.2401(8)
B/Å	12.3767(10)
C/Å	13.7509(11)
A/°	87.069(7)
B/°	89.529(6)
Γ/°	69.663(7)
VOLUME/Å^3	1791.3(3)
Z	1
P_{CALC}G/CM^3	3.761
M/MM^{-1}	44.305
F(000)	1827.0
CRYSTAL SIZE/MM^3	0.03 × 0.03 × 0.02
RADIATION	CuKα (λ = 1.54184)
2Θ RANGE FOR DATA COLLECTION/°	7.628 to 153.308
INDEX RANGES	-13 ≤ h ≤ 13, -15 ≤ k ≤ 14, -17 ≤ l ≤ 12
REFLECTIONS COLLECTED	12569
INDEPENDENT REFLECTIONS	7262 [R_{int} = 0.0517, R_{sigma} = 0.0776]
DATA/RESTRAINTS/PARAMETERS	7262/90/566
GOODNESS-OF-FIT ON F^2	1.033
FINAL R INDEXES [I>=2Σ (I)]	R_1 = 0.0485, wR_2 = 0.1246
FINAL R INDEXES [ALL DATA]	R_1 = 0.0604, wR_2 = 0.1356
LARGEST DIFF. PEAK/HOLE / E Å^{-3}	2.60/-3.20

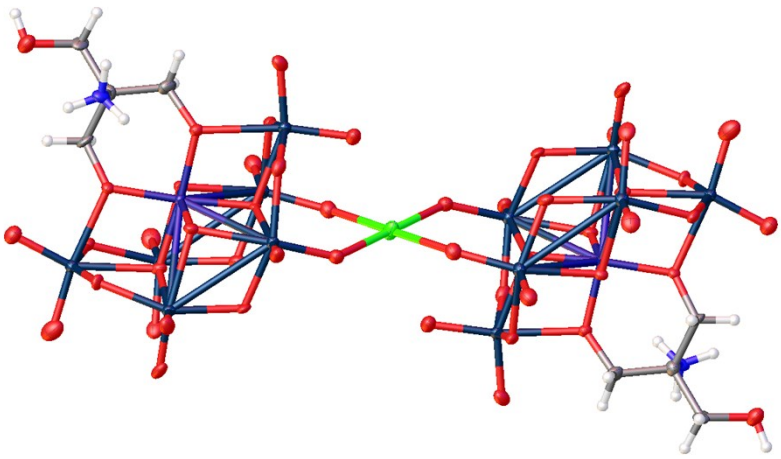

Figure S3. Structure of $\{Ag[\{(HOCH_2)(H_3N)C(CH_2O)_2\}MnW_6O_{22}]_2\}^{9-}$.

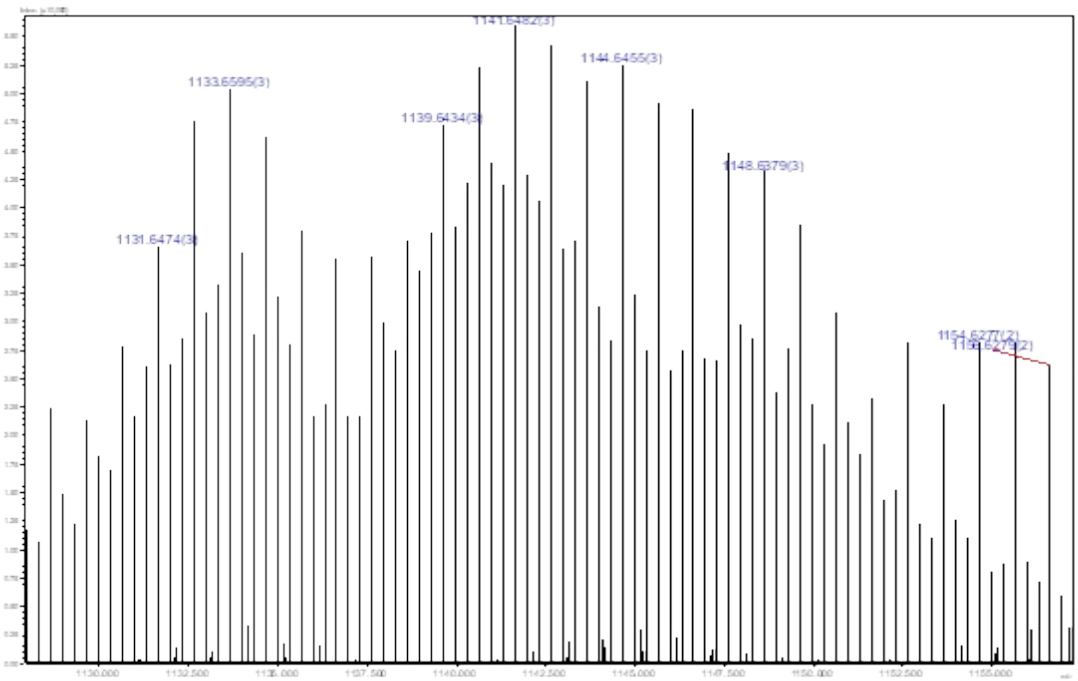

Figure S4. Peaks of $Na_xH_{8-x}\{[MnW_6O_{26}C_5H_{10}]_2Ag\}^{3-}$ (x=0~2) in ESI-MS.

4. UV-Vis spectroscpoy

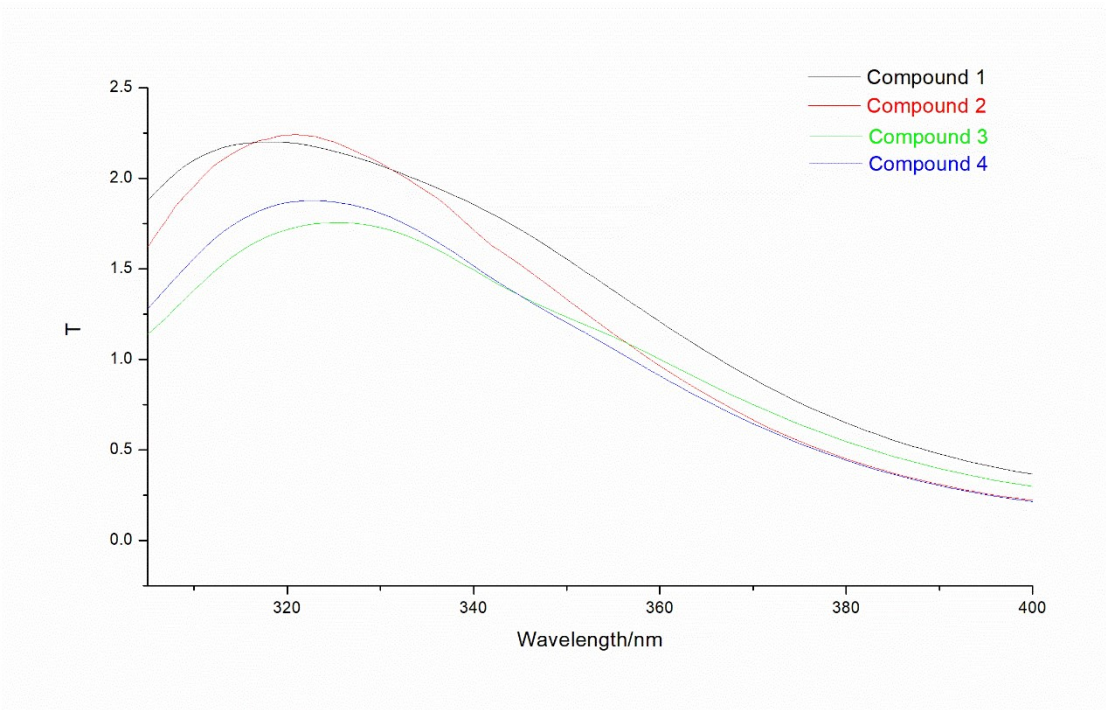

Figure S5. Absorption of LMCT spectra of compound **1-4** in aquaous solution.
ε_1=4.23×10^3 L·mol^{-1}·cm^{-1}; ε_2=4.32×10^3 L·mol^{-1}·cm^{-1}; ε_3=3.53×10^3 L·mol^{-1}·cm^{-1};
ε_4=3.62×10^3 L·mol^{-1}·cm^{-1};

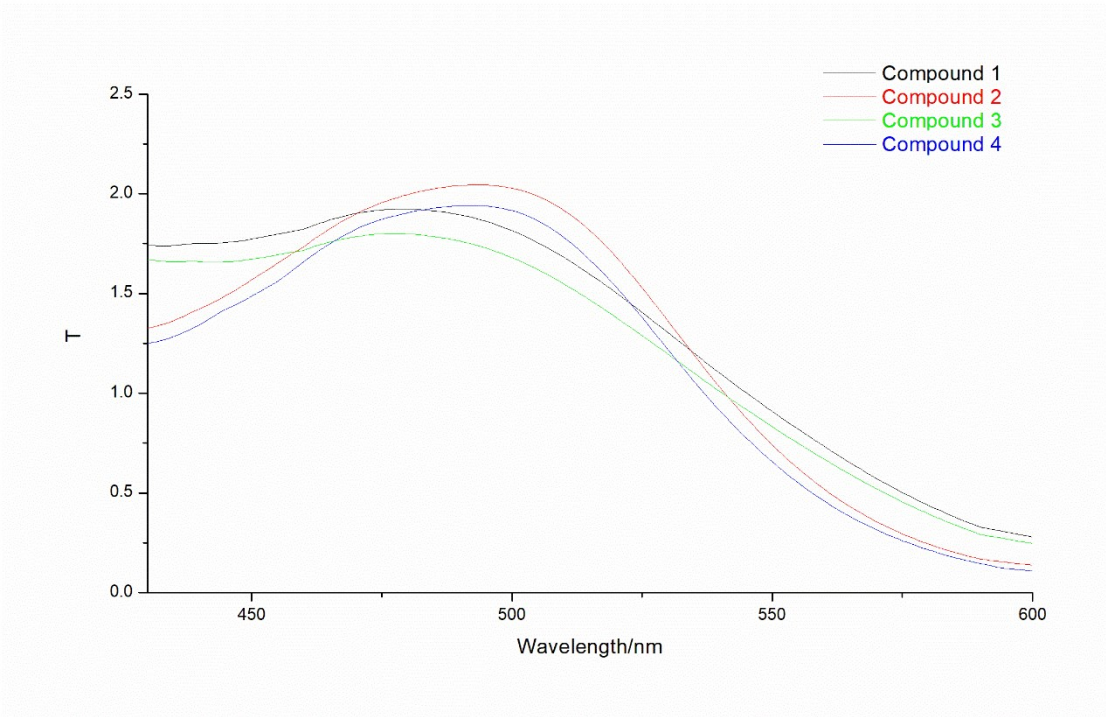

Figure S6. Absorption of d-d transition spectra of compound **1-4** in aquaous solution. ε_1=3.75×10^2 L·mol^{-1}·cm^{-1}; ε_2=4.03×10^2 L·mol^{-1}·cm^{-1}; ε_3=3.90×10^2 L·mol^{-1}·cm^{-1}; ε_4=3.76×10^2 L·mol^{-1}·cm^{-1};

5. IR spectroscopy

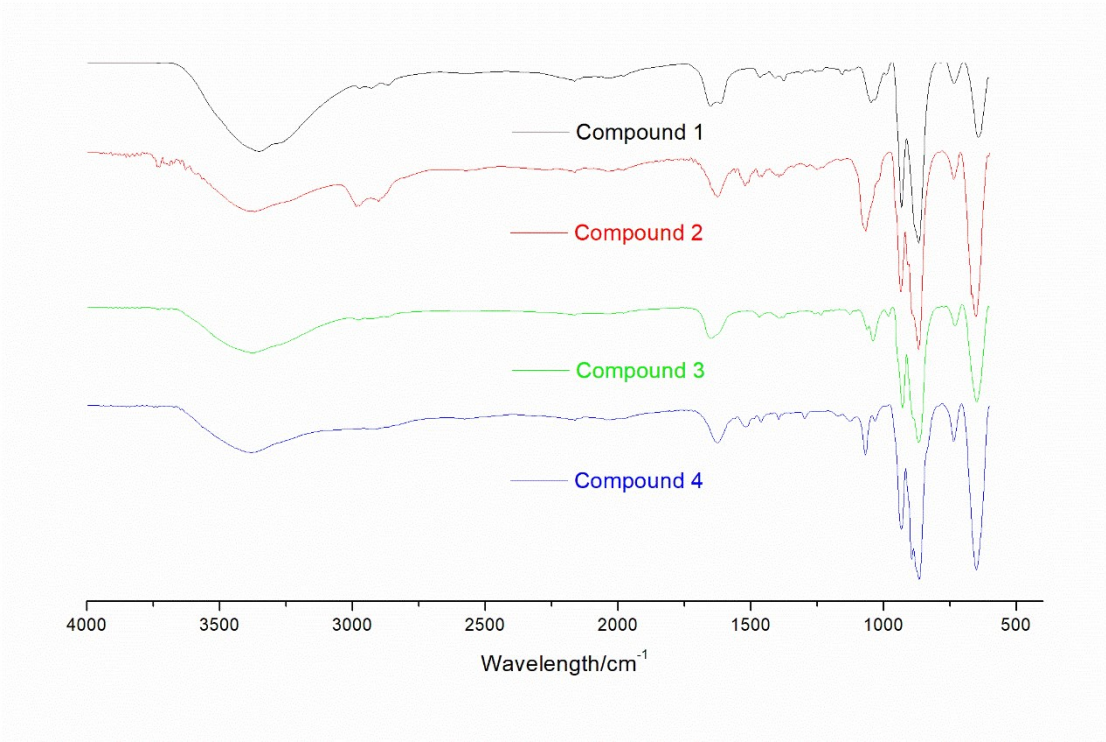

Figure S7. IR spectra of compound **1-4**.

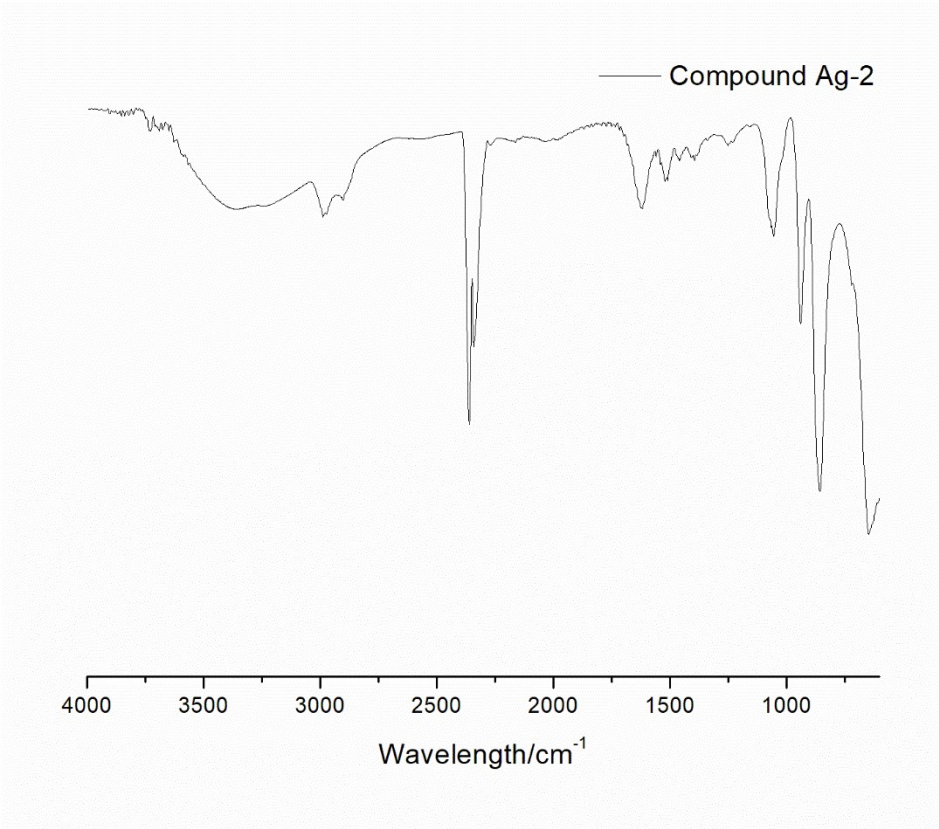

Figure S8. IR spectra of compound **Ag-2**.

6. Thermogravimetric analysis

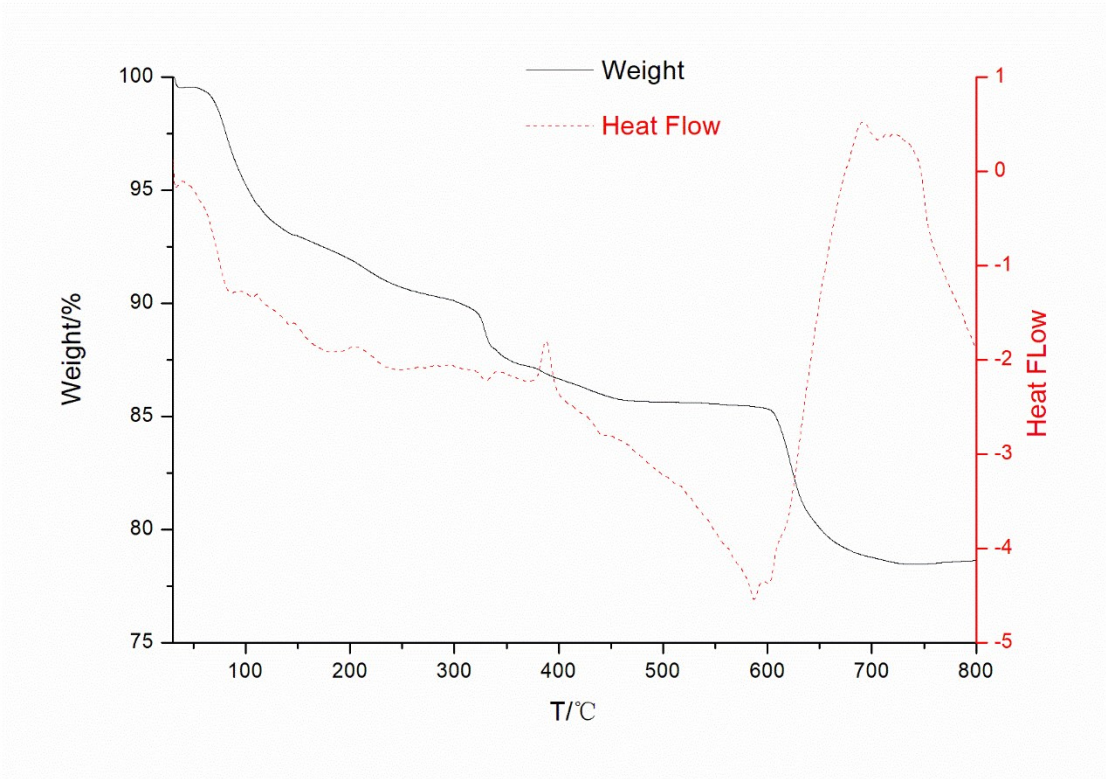

Figure S9. TGA-DSC curve of compound **1**.

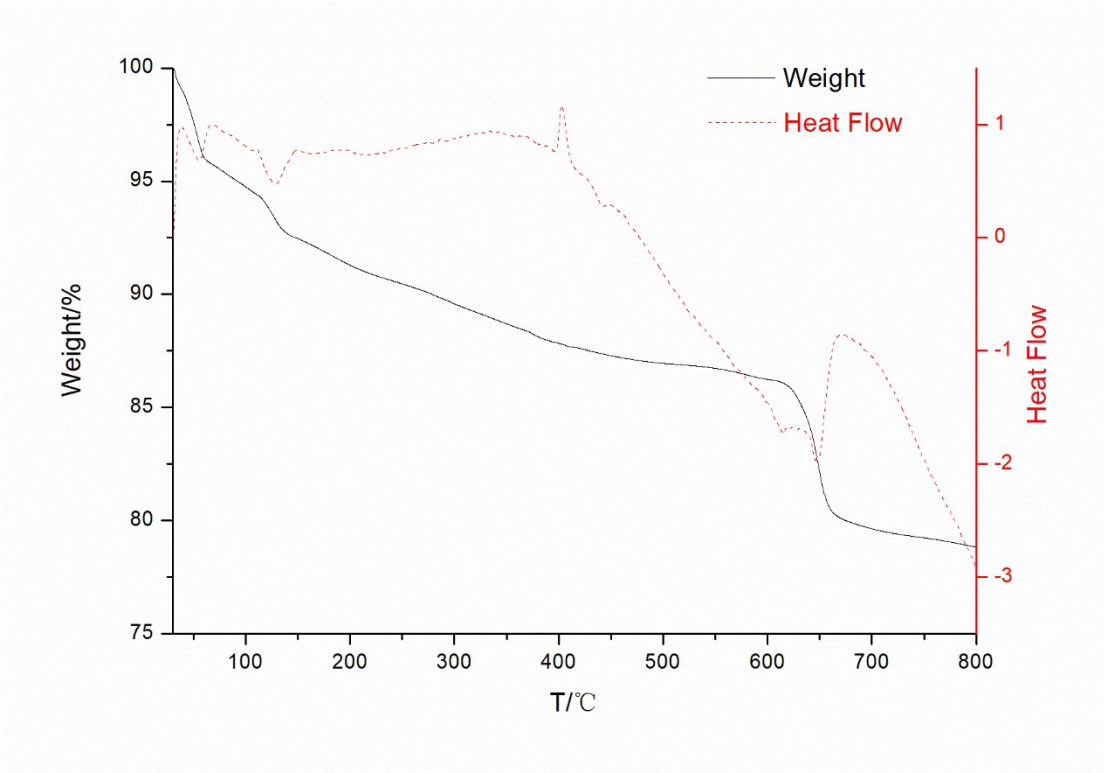

Figure S10. TGA-DSC curve of compound **2**.

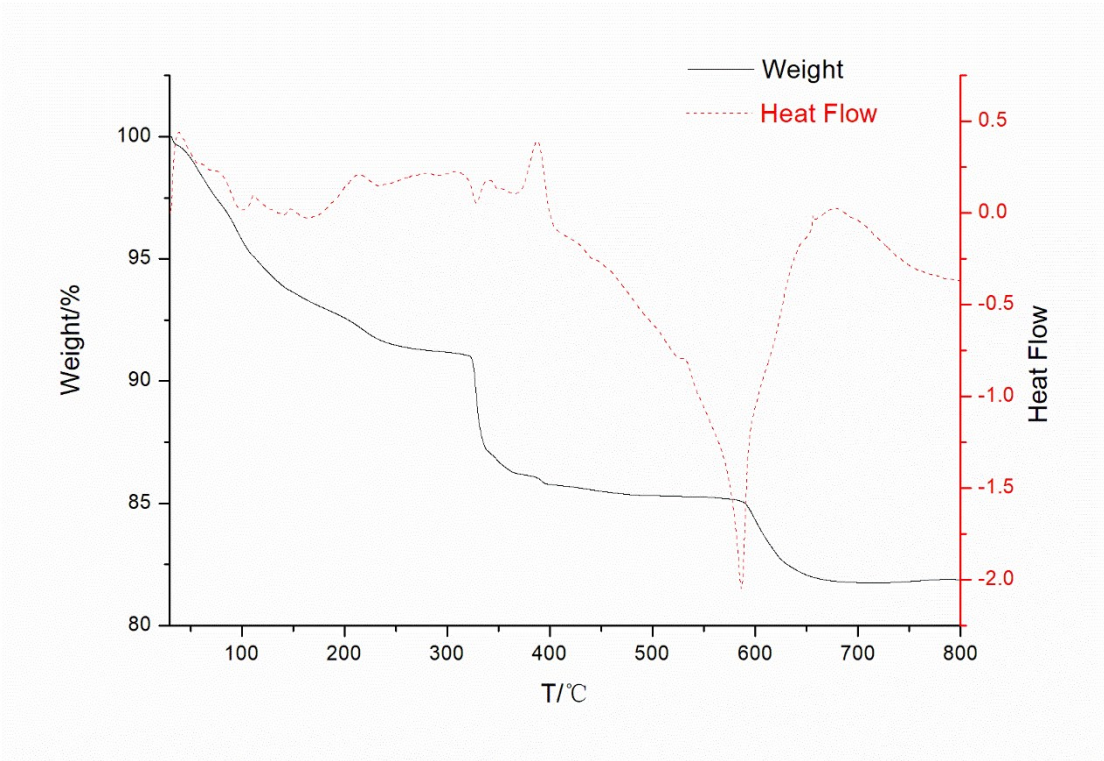

Figure S11. TGA-DSC curve of compound **3**.

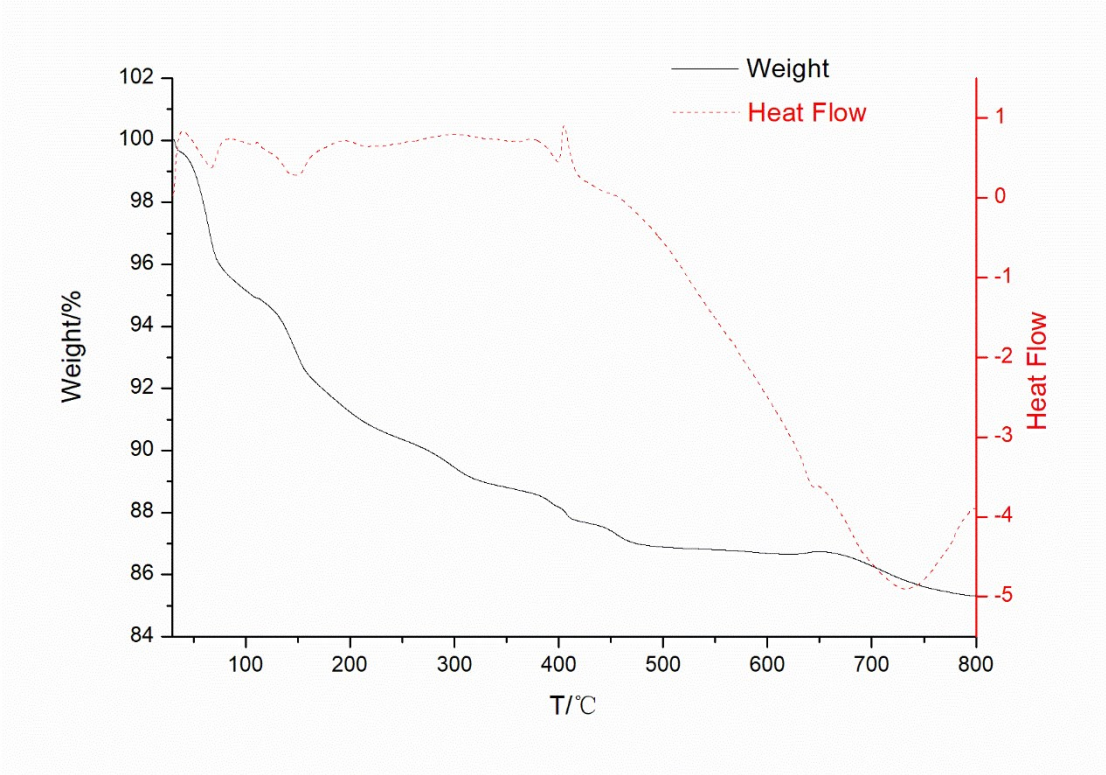

Figure S12. TGA-DSC curve of compound **4**.

7. Details of crystallograhic data

Table S4. Bond Lengths of Compound **1**.

Atom	Atom	Length/Å	Atom	Atom	Length/Å
W4	O3	2.145(5)	K2	O9W	2.843(6)
W4	O9	1.948(4)	K2	O8W	2.793(5)
W4	O6	1.954(4)	K1	K3^{7}	4.979(3)
W4	Na3^{1}	3.319(3)	K1	O21	2.777(5)
W4	O22	1.747(5)	K1	O24^{8}	2.966(5)
W4	O16	1.742(5)	K1	O18^{8}	3.069(5)
W4	O12	2.215(5)	K1	O15	3.167(5)
W5	K2^{1}	3.7128(17)	K1	O2W	2.718(5)
W5	O4	2.149(4)	K1	O3W	2.836(5)
W5	O10	1.949(4)	K1	O1W	2.793(6)
W5	O7	1.952(5)	Na1	K3^{8}	4.122(3)
W5	O23	1.746(5)	Na1	K2^{1}	3.703(3)
W5	O17	1.735(5)	Na1	Na3^{9}	4.080(4)
W5	O11	2.231(5)	Na1	O21	2.438(5)
W3	O3	2.211(5)	Na1	O22^{8}	2.498(6)
W3	O9	1.926(4)	Na1	O23	2.341(5)
W3	O21	1.735(5)	Na1	O24^{8}	2.351(5)
W3	O5	1.971(5)	Na1	O20^{8}	2.371(6)
W3	O15	1.740(5)	Na1	O19	2.394(6)
W3	O11	2.221(5)	Na2	O16	2.357(6)
W6	K1^{2}	3.7345(18)	Na2	O5W	2.289(6)
W6	O4	2.148(5)	Na2	O15	2.472(6)
W6	O10	1.922(4)	Na2	O4W	2.421(6)
W6	O8	1.970(4)	Na2	O26^{4}	2.500(6)
W6	O24	1.744(5)	Na2	O8W	2.319(5)
W6	O18	1.736(5)	O9	Na3^{1}	2.397(6)
W6	O12	2.242(5)	O10	K2^{1}	2.784(5)
W1	O1	2.217(4)	O2	C2	1.419(8)
W1	O7	1.930(5)	O1	C1	1.431(8)
W1	O5	1.918(5)	Na3	W4^{6}	3.319(3)
W1	O13	1.740(5)	Na3	K3^{6}	3.836(3)
W1	O19	1.758(5)	Na3	O9^{6}	2.397(6)
W1	O11	2.237(4)	Na3	O22^{6}	2.582(5)
W2	Na1^{2}	3.668(3)	Na3	O25^{10}	2.455(6)
W2	O2	2.256(4)	Na3	O6W	2.342(6)
W2	O6	1.948(5)	Na3	O10	2.310(5)

				W^{6}	
W2	O8	1.907(5)	Na3	O7W	2.376(6)
W2	O14	1.751(4)	Na3	C4^{10}	3.103(8)
W2	O20	1.728(5)	O22	Na1^{2}	2.498(6)
W2	O12	2.199(4)	O22	Na3^{1}	2.582(5)
Mn1	O3	1.876(5)	O23	K3^{8}	2.851(5)
Mn1	O4	1.913(5)	O23	K2^{1}	2.811(5)
Mn1	O2	1.885(4)	O24	K1^{2}	2.966(5)
Mn1	O1	1.891(5)	O24	Na1^{2}	2.351(5)
Mn1	O12	1.910(5)	O20	K2^{3}	2.772(5)
Mn1	O11	1.906(4)	O20	Na1^{2}	2.371(6)
K3	W5^{2}	3.6752(17)	O13	K3^{11}	3.104(5)
K3	K2^{3}	4.688(2)	O18	K1^{2}	3.069(5)
K3	O22	2.828(5)	O17	K3^{8}	3.095(5)
K3	O23^{2}	2.851(5)	O25	K3^{11}	3.047(5)
K3	O13^{4}	3.104(5)	O25	Na3^{12}	2.455(6)
K3	O17^{2}	3.095(5)	O25	C4	1.443(8)
K3	O25^{4}	3.047(5)	O26	Na2^{11}	2.500(6)
K3	O3W^{5}	2.758(5)	O26	C5	1.452(8)
K3	O9W^{3}	3.206(6)	O3W	K3^{7}	2.758(5)
K3	O10W	2.764(5)	O9W	K3^{3}	3.206(6)
K2	W5^{6}	3.7127(17)	O10W	Na3^{1}	2.310(5)
K2	O10^{6}	2.784(5)	C2	C3	1.514(9)
K2	O23^{6}	2.811(5)	C3	C4	1.511(10)
K2	O20^{3}	2.772(5)	C3	C1	1.496(10)
K2	O4W	2.688(5)	C3	C5	1.527(10)
K2	O6W	2.784(5)			

^{1}−1/2+X, 1/2−Y, 1/2+Z; ^{2}1/2−X, −1/2+Y, 3/2−Z; ^{3}1−X, −Y, 1−Z; ^{4}1/2+X, 1/2−Y, 1/2+Z; ^{5}3/2−X, −1/2+Y, 3/2−Z; ^{6}1/2+X, 1/2−Y, −1/2+Z; ^{7}3/2−X, 1/2+Y, 3/2−Z; ^{8}1/2−X, 1/2+Y, 3/2−Z; ^{9}1−X, 1−Y, 1−Z; ^{10}1+X, +Y, +Z; ^{11}−1/2+X, 1/2−Y, −1/2+Z; ^{12}−1+X, +Y, +Z

Table S5. Bond Angles for Compound **1**.

Atom	**Atom**	**Atom**	**Angle/°**	**Atom**	**Atom**	**Atom**	**Angle/°**
O3	W4	Na3^{1}	121.03(13)	O8W	K2	O23^{6}	147.74(15)
O3	W4	O12	71.94(18)	O8W	K2	O9W	99.62(16)
O9	W4	O3	75.56(19)	O21	K1	K3^{7}	145.11(11)

O9	W4	O6	156.02(19)	O21	K1	O24^{8}	68.73(14)
O9	W4	Na3^{1}	45.48(14)	O21	K1	O18^{8}	116.75(15)
O9	W4	O12	85.30(18)	O21	K1	O15	54.38(14)
O6	W4	O3	85.50(18)	O21	K1	O3W	154.49(15)
O6	W4	Na3^{1}	149.48(14)	O21	K1	O1W	74.72(15)
O6	W4	O12	74.79(18)	O24^{8}	K1	K3^{7}	146.15(10)
O22	W4	O3	159.0(2)	O24^{8}	K1	O18^{8}	54.01(13)
O22	W4	O9	93.5(2)	O24^{8}	K1	O15	120.54(14)
O22	W4	O6	99.4(2)	O18^{8}	K1	K3^{7}	94.95(10)
O22	W4	Na3^{1}	50.34(15)	O18^{8}	K1	O15	169.19(15)
O22	W4	O12	89.5(2)	O15	K1	K3^{7}	92.28(10)
O16	W4	O3	95.1(2)	O2W	K1	K3^{7}	110.51(13)
O16	W4	O9	99.3(2)	O2W	K1	O21	79.11(15)
O16	W4	O6	96.9(2)	O2W	K1	O24^{8}	68.53(15)
O16	W4	Na3^{1}	95.41(17)	O2W	K1	O18^{8}	100.66(15)
O16	W4	O22	104.5(2)	O2W	K1	O15	84.25(14)
O16	W4	O12	164.9(2)	O2W	K1	O3W	124.94(16)
O12	W4	Na3^{1}	97.98(13)	O2W	K1	O1W	145.16(18)
O4	W5	K2^{1}	119.43(13)	O3W	K1	K3^{7}	26.70(10)
O4	W5	O11	72.03(17)	O3W	K1	O24^{8}	124.69(15)
O10	W5	K2^{1}	47.21(13)	O3W	K1	O18^{8}	70.76(14)
O10	W5	O4	74.67(18)	O3W	K1	O15	114.39(15)
O10	W5	O7	156.2(2)	O1W	K1	K3^{7}	104.10(12)
O10	W5	O11	86.80(19)	O1W	K1	O24^{8}	80.67(15)
O7	W5	K2^{1}	141.84(13)	O1W	K1	O18^{8}	72.01(14)
O7	W5	O4	86.21(18)	O1W	K1	O15	98.43(15)
O7	W5	O11	73.69(18)	O1W	K1	O3W	85.73(16)
O23	W5	K2^{1}	46.46(15)	K2^{1}	Na1	K3^{8}	73.39(6)
O23	W5	O4	157.9(2)	K2^{1}	Na1	Na3^{9}	126.30(9)
O23	W5	O10	93.7(2)	Na3^{9}	Na1	K3^{8}	55.76(6)
O23	W5	O7	99.3(2)	O21	Na1	K3^{8}	138.79(14)
O23	W5	O11	88.9(2)	O21	Na1	K2^{1}	82.14(13)
O17	W5	K2^{1}	108.57(17)	O21	Na1	Na3^{9}	148.48(16)
O17	W5	O4	96.7(2)	O21	Na1	O22^{8}	173.9(2)
O17	W5	O10	101.6(2)	O22^{8}	Na1	K3^{8}	42.30(11)
O17	W5	O7	94.5(2)	O22^{8}	Na1	K2^{1}	93.44(14)
O17	W5	O23	104.1(2)	O22^{8}	Na1	Na3^{9}	37.27(12)
O17	W5	O11	163.9(2)	O23	Na1	K3^{8}	42.00(12)
O11	W5	K2^{1}	87.27(12)	O23	Na1	K2^{1}	49.37(13)
O3	W3	O11	70.67(17)	O23	Na1	Na3^{9}	93.85(14)

O9	W3	O3	74.43(18)	O23	Na1	O21	97.12(18)
O9	W3	O5	153.3(2)	O23	Na1	O22^{8}	82.99(18)
O9	W3	O11	87.44(18)	O23	Na1	O24^{8}	177.6(2)
O21	W3	O3	158.4(2)	O23	Na1	O20^{8}	93.51(19)
O21	W3	O9	99.2(2)	O23	Na1	O19	82.57(18)
O21	W3	O5	99.1(2)	O24^{8}	Na1	K3^{8}	135.65(15)
O21	W3	O15	104.0(2)	O24^{8}	Na1	K2^{1}	130.87(15)
O21	W3	O11	88.7(2)	O24^{8}	Na1	Na3^{9}	84.27(14)
O5	W3	O3	81.43(18)	O24^{8}	Na1	O21	85.29(18)
O5	W3	O11	73.65(19)	O24^{8}	Na1	O22^{8}	94.57(18)
O15	W3	O3	97.4(2)	O24^{8}	Na1	O20^{8}	85.85(19)
O15	W3	O9	99.1(2)	O24^{8}	Na1	O19	98.34(19)
O15	W3	O5	95.3(2)	O20^{8}	Na1	K3^{8}	93.38(15)
O15	W3	O11	164.5(2)	O20^{8}	Na1	K2^{1}	48.44(13)
O4	W6	K1^{2}	152.88(13)	O20^{8}	Na1	Na3^{9}	114.22(15)
O4	W6	O12	71.17(17)	O20^{8}	Na1	O21	94.54(19)
O10	W6	K1^{2}	114.17(15)	O20^{8}	Na1	O22^{8}	79.40(18)
O10	W6	O4	75.20(18)	O20^{8}	Na1	O19	172.37(19)
O10	W6	O8	156.1(2)	O19	Na1	K3^{8}	88.08(14)
O10	W6	O12	90.22(19)	O19	Na1	K2^{1}	125.30(14)
O8	W6	K1^{2}	89.74(14)	O19	Na1	Na3^{9}	72.70(13)
O8	W6	O4	83.58(18)	O19	Na1	O21	79.54(18)
O8	W6	O12	72.31(18)	O19	Na1	O22^{8}	106.47(19)
O24	W6	K1^{2}	51.03(16)	O16	Na2	O15	83.95(19)
O24	W6	O4	156.0(2)	O16	Na2	O4W	88.3(2)
O24	W6	O10	96.3(2)	O16	Na2	O26^{4}	86.18(19)
O24	W6	O8	98.8(2)	O5W	Na2	O16	170.6(2)
O24	W6	O12	86.7(2)	O5W	Na2	O15	90.05(19)
O18	W6	K1^{2}	54.44(16)	O5W	Na2	O4W	98.3(2)
O18	W6	O4	99.7(2)	O5W	Na2	O26^{4}	88.35(19)
O18	W6	O10	100.4(2)	O5W	Na2	O8W	88.2(2)
O18	W6	O8	93.9(2)	O15	Na2	O26^{4}	104.18(19)
O18	W6	O24	103.9(2)	O4W	Na2	O15	84.52(19)
O18	W6	O12	163.9(2)	O4W	Na2	O26^{4}	169.12(19)
O12	W6	K1^{2}	131.42(12)	O8W	Na2	O16	98.39(19)
O1	W1	O11	69.86(16)	O8W	Na2	O15	175.0(2)
O7	W1	O1	80.44(18)	O8W	Na2	O4W	91.1(2)
O7	W1	O11	73.95(18)	O8W	Na2	O26^{4}	80.46(19)
O5	W1	O1	83.41(19)	W4	O3	W3	94.55(19)
O5	W1	O7	147.68(19)	Mn1	O3	W4	103.3(2)

O5	W1	O11	74.26(18)	Mn1	O3	W3	102.6(2)
O13	W1	O1	87.65(19)	W4	O9	Na3^{1}	99.09(19)
O13	W1	O7	103.7(2)	W3	O9	W4	111.4(2)
O13	W1	O5	103.4(2)	W3	O9	Na3^{1}	145.8(2)
O13	W1	O19	103.9(2)	W6	O4	W5	96.04(19)
O13	W1	O11	157.50(19)	Mn1	O4	W5	102.9(2)
O19	W1	O1	168.4(2)	Mn1	O4	W6	104.1(2)
O19	W1	O7	95.2(2)	W5	O10	K2^{1}	101.88(17)
O19	W1	O5	95.1(2)	W6	O10	W5	111.2(2)
O19	W1	O11	98.62(19)	W6	O10	K2^{1}	146.7(2)
O2	W2	Na1^{2}	139.74(12)	Mn1	O2	W2	102.5(2)
O6	W2	Na1^{2}	89.64(15)	C2	O2	W2	122.5(4)
O6	W2	O2	81.20(18)	C2	O2	Mn1	121.4(4)
O6	W2	O12	75.29(18)	Mn1	O1	W1	103.5(2)
O8	W2	Na1^{2}	85.10(15)	C1	O1	W1	121.1(4)
O8	W2	O2	83.44(19)	C1	O1	Mn1	121.0(4)
O8	W2	O6	149.27(18)	W2	O6	W4	111.4(2)
O8	W2	O12	74.45(18)	W2	O8	W6	114.7(2)
O14	W2	Na1^{2}	135.26(15)	W1	O7	W5	114.2(2)
O14	W2	O2	84.93(18)	W4^{6}	Na3	K3^{6}	66.28(6)
O14	W2	O6	103.0(2)	O9^{6}	Na3	W4^{6}	35.42(11)
O14	W2	O8	102.0(2)	O9^{6}	Na3	K3^{6}	99.07(14)
O14	W2	O12	154.52(18)	O9^{6}	Na3	O22^{6}	65.44(16)
O20	W2	Na1^{2}	31.41(16)	O9^{6}	Na3	O25^{10}	80.67(19)
O20	W2	O2	170.59(19)	O9^{6}	Na3	C4^{10}	82.0(2)
O20	W2	O6	94.2(2)	O22^{6}	Na3	W4^{6}	31.40(11)
O20	W2	O8	96.8(2)	O22^{6}	Na3	K3^{6}	47.51(12)
O20	W2	O14	104.2(2)	O22^{6}	Na3	C4^{10}	105.5(2)
O20	W2	O12	101.32(19)	O25^{10}	Na3	W4^{6}	71.68(14)
O12	W2	Na1^{2}	70.12(13)	O25^{10}	Na3	K3^{6}	52.53(12)
O12	W2	O2	69.64(16)	O25^{10}	Na3	O22^{6}	80.57(18)
O3	Mn1	O4	164.0(2)	O25^{10}	Na3	C4^{10}	27.02(17)
O3	Mn1	O2	96.4(2)	O6W	Na3	W4^{6}	99.04(16)
O3	Mn1	O1	95.0(2)	O6W	Na3	K3^{6}	118.65(15)
O3	Mn1	O12	85.2(2)	O6W	Na3	O9^{6}	95.3(2)
O3	Mn1	O11	85.3(2)	O6W	Na3	O22^{6}	88.35(19)
O2	Mn1	O4	94.1(2)	O6W	Na3	O25^{10}	168.9(2)
O2	Mn1	O1	92.3(2)	O6W	Na3	O7W	92.7(2)

O2	Mn1	O12	84.2(2)	O6W	Na3	C4^{10}	163.0(2)
O2	Mn1	O11	176.4(2)	O10 W^{6}	Na3	W4^{6}	106.90(16)
O1	Mn1	O4	96.7(2)	O10 W^{6}	Na3	K3^{6}	45.55(14)
O1	Mn1	O12	176.4(2)	O10 W^{6}	Na3	O9^{6}	142.3(2)
O1	Mn1	O11	84.39(19)	O10 W^{6}	Na3	O22^{6}	78.20(18)
O12	Mn1	O4	83.9(2)	O10 W^{6}	Na3	O25^{10}	83.91(19)
O11	Mn1	O4	84.8(2)	O10 W^{6}	Na3	O6W	93.3(2)
O11	Mn1	O12	99.2(2)	O10 W^{6}	Na3	O7W	103.5(2)
W5^{2}	K3	K2^{3}	50.97(3)	O10 W^{6}	Na3	C4^{10}	99.0(2)
O22	K3	W5^{2}	94.70(11)	O7W	Na3	W4^{6}	146.58(16)
O22	K3	K2^{3}	70.35(10)	O7W	Na3	K3^{6}	133.09(16)
O22	K3	O23^{2}	68.78(14)	O7W	Na3	O9^{6}	112.67(19)
O22	K3	O13^{4}	142.73(14)	O7W	Na3	O22^{6}	178.0(2)
O22	K3	O17^{2}	122.77(15)	O7W	Na3	O25^{10}	98.44(19)
O22	K3	O25^{4}	67.24(14)	O7W	Na3	C4^{10}	73.22(19)
O22	K3	O9W^{3}	70.78(14)	C4^{10}	Na3	W4^{6}	88.49(15)
O23^{2}	K3	W5^{2}	27.51(10)	C4^{10}	Na3	K3^{6}	78.30(14)
O23^{2}	K3	K2^{3}	33.84(10)	W3	O21	K1	107.0(2)
O23^{2}	K3	O13^{4}	124.54(14)	W3	O21	Na1	136.9(3)
O23^{2}	K3	O17^{2}	54.81(13)	Na1	O21	K1	104.58(17)
O23^{2}	K3	O25^{4}	130.58(15)	W1	O5	W3	113.6(2)
O23^{2}	K3	O9W^{3}	69.61(14)	W4	O22	K3	116.7(2)
O13^{4}	K3	W5^{2}	98.24(10)	W4	O22	Na1^{2}	134.1(2)
O13^{4}	K3	K2^{3}	141.96(10)	W4	O22	Na3^{1}	98.3(2)
O13^{4}	K3	O9W^{3}	144.64(14)	Na1^{2}	O22	K3	101.24(16)
O17^{2}	K3	W5^{2}	28.07(10)	Na1^{2}	O22	Na3^{1}	106.9(2)
O17^{2}	K3	K2^{3}	68.45(10)	Na3^{1}	O22	K3	90.18(16)
O17^{2}	K3	O13^{4}	74.97(13)	W5	O23	K3^{8}	103.5(2)
O17^{2}	K3	O9W	96.13(14)	W5	O23	K2^{1}	106.78(19)

		^{3}					
O25^{4}	K3	W5^{2}	143.76(12)	W5	O23	Na1	137.5(3)
O25^{4}	K3	K2^{3}	135.73(11)	K2^{1}	O23	K3^{8}	111.78(17)
O25^{4}	K3	O13^{4}	82.15(13)	Na1	O23	K3^{8}	104.66(17)
O25^{4}	K3	O17^{2}	149.23(15)	Na1	O23	K2^{1}	91.43(17)
O25^{4}	K3	O9W^{3}	114.30(14)	W6	O24	K1^{2}	101.8(2)
O3W^{5}	K3	W5^{2}	141.91(12)	W6	O24	Na1^{2}	137.9(3)
O3W^{5}	K3	K2^{3}	116.56(11)	Na1^{2}	O24	K1^{2}	101.31(17)
O3W^{5}	K3	O22	115.69(15)	W2	O20	K2^{3}	137.6(3)
O3W^{5}	K3	O23^{2}	149.42(15)	W2	O20	Na1^{2}	126.3(2)
O3W^{5}	K3	O13^{4}	71.81(14)	Na1^{2}	O20	K2^{3}	91.77(17)
O3W^{5}	K3	O17^{2}	117.53(15)	W1	O13	K3^{11}	129.6(2)
O3W^{5}	K3	O25^{4}	72.86(15)	W6	O18	K1^{2}	98.2(2)
O3W^{5}	K3	O9W^{3}	83.12(15)	W5	O17	K3^{8}	94.88(19)
O3W^{5}	K3	O10W	133.71(16)	W4	O16	Na2	133.9(3)
O9W^{3}	K3	W5^{2}	86.19(10)	W1	O19	Na1	127.9(2)
O9W^{3}	K3	K2^{3}	36.47(10)	W3	O15	K1	92.54(19)
O10W	K3	W5^{2}	77.81(11)	W3	O15	Na2	129.5(2)
O10W	K3	K2^{3}	107.81(12)	Na2	O15	K1	137.6(2)
O10W	K3	O22	67.13(15)	Na3^{12}	O25	K3^{11}	87.71(16)
O10W	K3	O23^{2}	76.73(15)	C4	O25	K3^{11}	158.0(4)
O10W	K3	O13^{4}	81.69(15)	C4	O25	Na3^{12}	102.4(4)
O10W	K3	O17^{2}	89.91(14)	Na2	O4W	K2	96.50(18)
O10W	K3	O25^{4}	66.33(15)	Na3	O6W	K2	111.25(19)
O10W	K3	O9W^{3}	133.16(16)	C5	O26	Na2^{11}	125.1(4)
O10^{6}	K2	W5^{6}	30.92(9)	K3^{7}	O3W	K1	125.77(18)
O10^{6}	K2	O23^{6}	57.67(14)	K2	O9W	K3^{3}	101.44(17)
O10^{6}	K2	O6W	73.82(15)	Na2	O8W	K2	96.14(19)
O10^{6}	K2	O9W	108.57(16)	Na3^{1}	O10W	K3	97.81(19)

O10^{6}	K2	O8W	147.95(15)	W4	O12	W6	155.4(2)
O23^{6}	K2	W5^{6}	26.76(9)	W2	O12	W4	93.81(18)
O23^{6}	K2	O9W	75.71(15)	W2	O12	W6	94.64(17)
O20^{3}	K2	W5^{6}	101.12(11)	Mn1	O12	W4	99.6(2)
O20^{3}	K2	O10^{6}	129.64(15)	Mn1	O12	W6	100.8(2)
O20^{3}	K2	O23^{6}	75.88(14)	Mn1	O12	W2	103.7(2)
O20^{3}	K2	O6W	126.81(16)	W5	O11	W1	93.70(17)
O20^{3}	K2	O9W	74.20(15)	W3	O11	W5	155.2(2)
O20^{3}	K2	O8W	72.20(14)	W3	O11	W1	93.76(17)
O4W	K2	W5^{6}	115.86(12)	Mn1	O11	W5	100.2(2)
O4W	K2	O10^{6}	92.70(15)	Mn1	O11	W3	101.3(2)
O4W	K2	O23^{6}	132.84(16)	Mn1	O11	W1	102.2(2)
O4W	K2	O20^{3}	135.97(16)	O2	C2	C3	112.6(6)
O4W	K2	O6W	70.16(16)	C2	C3	C5	105.5(6)
O4W	K2	O9W	81.81(16)	C4	C3	C2	108.1(6)
O4W	K2	O8W	76.23(15)	C4	C3	C5	111.2(6)
O6W	K2	W5^{6}	101.12(12)	C1	C3	C2	111.0(6)
O6W	K2	O23^{6}	123.96(16)	C1	C3	C4	112.0(6)
O6W	K2	O9W	151.96(17)	C1	C3	C5	109.0(6)
O6W	K2	O8W	74.14(15)	O25	C4	C3	114.5(6)
O9W	K2	W5^{6}	90.95(12)	O1	C1	C3	111.0(6)
O8W	K2	W5^{6}	165.17(12)	O26	C5	C3	111.2(6)

^{1}−1/2+X, 1/2−Y, 1/2+Z; ^{2}1/2−X, −1/2+Y, 3/2−Z; ^{3}1−X, −Y, 1−Z; ^{4}1/2+X, 1/2−Y, 1/2+Z; ^{5}3/2−X, −1/2+Y, 3/2−Z; ^{6}1/2+X, 1/2−Y, −1/2+Z; ^{7}3/2−X, 1/2+Y, 3/2−Z; ^{8}1/2−X, 1/2+Y, 3/2−Z; ^{9}1−X, 1−Y, 1−Z; ^{10}1+X, +Y, +Z; ^{11}−1/2+X, 1/2−Y, −1/2+Z; ^{12}−1+X, +Y, +Z

Table S6. Bond Lengths for Compound **2**.

Atom	Atom	Length/Å	Atom	Atom	Length/Å
W3	W4	3.2204(10)	K1	O20^{5}	2.664(11)
W3	W1	3.2396(9)	K1	O10	2.710(12)
W3	Mn1	3.183(2)	K1	O18^{3}	3.044(12)
W3	K1	3.774(4)	K1	O24^{3}	3.206(12)
W3	K2^{1}	3.686(4)	K1	O23	3.047(12)
W3	O9	1.944(10)	K1	O14^{5}	3.110(14)
W3	O21	1.731(11)	K1	O5W	2.639(15)
W3	O15	1.745(10)	K2	W3^{1}	3.686(4)
W3	O11	2.229(10)	K2	W4^{4}	3.885(4)
W3	O5	1.929(10)	K2	O21^{1}	2.912(11)
W3	O3	2.167(10)	K2	O15	2.897(12)

W2	W4	3.2384(9)	K2	O15^{1}	3.074(12)
W2	K1^{2}	3.602(4)	K2	O6^{4}	2.858(10)
W2	O6	1.926(9)	K2	O16^{4}	3.192(13)
W2	O12	2.235(10)	K2	O16	2.753(12)
W2	O20	1.737(11)	K2	O9W	2.885(13)
W2	O8	1.906(10)	K2	Na1^{8}	4.492(18)
W2	O2	2.279(10)	K2	O2W^{8}	2.972(17)
W2	O14	1.742(11)	K2	O10W	2.92(2)
W6	W5	3.2035(10)	Na2	W1^{2}	3.720(6)
W6	Mn1	3.225(2)	Na2	K4^{3}	3.585(7)
W6	K4^{3}	4.088(4)	Na2	K1^{2}	3.685(8)
W6	K1^{3}	3.827(4)	Na2	K2^{4}	4.540(8)
W6	O12	2.293(10)	Na2	O21^{2}	2.431(13)
W6	O4	2.146(11)	Na2	O20	2.404(12)
W6	O8	1.942(11)	Na2	O19^{2}	2.427(13)
W6	O10	1.955(12)	Na2	O22	2.404(13)
W6	O18	1.716(11)	Na2	O23^{2}	2.469(13)
W6	O24	1.729(11)	Na2	O4W	2.327(14)
W4	Mn1	3.187(2)	K3	W1^{6}	3.686(6)
W4	K2^{4}	3.885(4)	K3	K1^{3}	4.147(7)
W4	O9	1.958(11)	K3	O18	2.655(13)
W4	O6	1.954(11)	K3	O17	3.268(14)
W4	O12	2.275(10)	K3	O7^{6}	2.807(12)
W4	O3	2.155(11)	K3	O13^{6}	2.973(13)
W4	O16	1.732(11)	K3	O14^{9}	2.846(13)
W4	O22	1.734(11)	K3	O5W^{3}	3.364(16)
W5	Mn1	3.203(2)	K3	O6W A	2.75(3)
W5	K1	3.662(4)	K3	O11W ^{10}	2.78(2)
W5	O11	2.263(10)	O21	K2^{1}	2.912(11)
W5	O4	2.143(11)	O21	Na2^{5}	2.431(13)
W5	O10	1.896(11)	O15	K2^{1}	3.074(12)
W5	O17	1.746(11)	O6	K2^{4}	2.858(10)
W5	O23	1.742(12)	O5	Na1^{11}	2.871(18)
W5	O7	1.950(11)	O20	K4^{3}	3.060(10)
W1	Na2^{5}	3.721(6)	O20	K1^{2}	2.664(11)
W1	K3^{6}	3.686(6)	O16	K2^{4}	3.192(13)
W1	O11	2.245(10)	O1	C1	1.412(19)
W1	O5	1.935(9)	O19	Na2^{5}	2.427(13)

W1	O1	2.266(11)	O18	K1^{3}	3.044(12)
W1	O19	1.721(12)	O2	C2	1.433(17)
W1	O7	1.915(11)	O24	K4^{3}	2.631(11)
W1	O13	1.723(11)	O24	K1^{3}	3.206(12)
Mn1	O11	1.941(10)	O23	Na2^{5}	2.469(13)
Mn1	O12	1.909(10)	O7	K3^{6}	2.807(12)
Mn1	O4	1.878(10)	O13	K3^{6}	2.973(13)
Mn1	O3	1.884(9)	O14	K1^{2}	3.110(14)
Mn1	O1	1.873(10)	O14	K3^{9}	2.846(13)
Mn1	O2	1.891(11)	O5W	K3^{3}	3.364(16)
K4	W6^{5}	4.088(4)	C2	C3	1.50(2)
K4	W6^{3}	4.088(4)	O4W	K4^{3}	2.977(16)
K4	Na2^{5}	3.585(7)	N35	C3	1.46(2)
K4	Na2^{3}	3.585(7)	C3	C1	1.52(2)
K4	O20^{3}	3.060(10)	C3	C4	1.55(2)
K4	O20^{5}	3.060(10)	O25	C4	1.40(3)
K4	O24^{5}	2.631(11)	O25	Na1	2.89(2)
K4	O24^{3}	2.631(11)	Na1	K2^{12}	4.492(18)
K4	O23^{7}	2.714(12)	Na1	O5^{11}	2.871(18)
K4	O23	2.714(12)	Na1	O2W	2.79(3)
K4	O4W^{5}	2.977(16)	Na1	O10W^{11}	2.76(3)
K4	O4W^{3}	2.977(16)	Na1	O3WA^{11}	2.96(6)
K1	W2^{5}	3.602(4)	O2W	K2^{12}	2.972(17)
K1	O9	2.832(11)	O10W	Na1^{11}	2.76(3)
K1	O21	3.178(12)	O11W	K3^{13}	2.78(2)
K1	O11	3.305(10)	O3WA	Na1^{11}	2.96(6)

^{1}−X, 2−Y, −Z; ^{2}+X, 2−Y, −1/2+Z; ^{3}1−X, 2−Y, −Z; ^{4}−X, +Y, −1/2−Z; ^{5}+X, 2−Y, 1/2+Z; ^{6}1−X, 1−Y, −Z; ^{7}1−X, +Y, 1/2−Z; ^{8}+X, 1+Y, +Z; ^{9}1−X, +Y, −1/2−Z; ^{10}1+X, +Y, +Z; ^{11}−X, 1−Y, −Z; ^{12}+X, −1+Y, +Z; ^{13}−1+X, +Y, +Z

Table S7. Bond Angles for Compound **2**.

Atom	Atom	Atom	Angle/°	Atom	Atom	Atom	Angle/°
W4	W3	W1	120.86(3)	O4W^{3}	K4	W6^{3}	95.9(3)
W4	W3	K1	76.25(6)	O4W^{5}	K4	W6^{5}	95.9(3)
W4	W3	K2^{1}	115.83(8)	O4W^{3}	K4	W6^{5}	151.2(3)

W1	W3	K1	96.16(7)	O4W^{3}	K4	Na2^{5}	119.4(3)
W1	W3	K2^{1}	122.49(8)	O4W^{5}	K4	Na2^{5}	40.2(3)
Mn1	W3	W4	59.70(4)	O4W^{5}	K4	Na2^{3}	119.4(3)
Mn1	W3	W1	61.19(4)	O4W^{3}	K4	Na2^{3}	40.2(3)
Mn1	W3	K1	80.86(7)	O4W^{3}	K4	O20^{3}	77.1(3)
Mn1	W3	K2^{1}	168.65(8)	O4W^{5}	K4	O20^{5}	77.1(3)
K2^{1}	W3	K1	87.95(9)	O4W^{5}	K4	O20^{3}	149.0(3)
O9	W3	W4	34.5(3)	O4W^{3}	K4	O20^{5}	149.0(3)
O9	W3	W1	130.1(3)	O4W^{5}	K4	O4W^{3}	99.1(6)
O9	W3	Mn1	78.1(3)	W2^{5}	K1	W5	124.38(11)
O9	W3	K1	47.0(3)	O9	K1	W2^{5}	110.3(2)
O9	W3	K2^{1}	92.9(3)	O9	K1	W5	90.4(2)
O9	W3	O11	86.3(4)	O9	K1	O21	53.3(3)
O9	W3	O3	74.2(4)	O9	K1	O11	54.9(3)
O21	W3	W4	129.3(4)	O9	K1	O18^{3}	136.8(3)
O21	W3	W1	84.9(4)	O9	K1	O24^{3}	160.2(3)
O21	W3	Mn1	122.7(4)	O9	K1	O23	105.4(3)
O21	W3	K1	56.9(4)	O9	K1	O14^{5}	96.9(3)
O21	W3	K2^{1}	50.6(4)	O21	K1	W2^{5}	75.0(2)
O21	W3	O9	94.9(5)	O21	K1	W5	78.7(2)
O21	W3	O15	105.4(5)	O21	K1	O11	49.8(3)
O21	W3	O11	86.3(4)	O21	K1	O24^{3}	134.6(3)
O21	W3	O5	99.4(5)	O11	K1	W2^{5}	121.0(2)
O21	W3	O3	156.2(4)	O11	K1	W5	37.46(17)
O15	W3	W4	91.8(4)	O20^{5}	K1	W2^{5}	27.3(2)
O15	W3	W1	128.1(4)	O20^{5}	K1	W5	97.2(3)
O15	W3	Mn1	131.9(4)	O20^{5}	K1	O9	117.4(3)
O15	W3	K1	132.5(4)	O20^{5}	K1	O21	67.6(3)
O15	W3	K2^{1}	56.0(4)	O20^{5}	K1	O11	101.9(3)
O15	W3	O9	100.2(5)	O20^{5}	K1	O10	121.3(4)
O15	W3	O11	166.0(4)	O20^{5}	K1	O18^{3}	83.8(3)
O15	W3	O5	95.4(5)	O20^{5}	K1	O24^{3}	79.1(3)
O15	W3	O3	97.5(5)	O20^{5}	K1	O23	69.1(3)
O11	W3	W4	86.6(3)	O20^{5}	K1	O14^{5}	56.2(3)
O11	W3	W1	43.8(3)	O10	K1	W2^{5}	147.2(3)
O11	W3	Mn1	37.0(3)	O10	K1	W5	30.2(2)
O11	W3	K1	60.5(3)	O10	K1	O9	93.7(3)
O11	W3	K2^{1}	136.6(3)	O10	K1	O21	104.7(3)
O5	W3	W4	126.5(3)	O10	K1	O11	55.9(3)
O5	W3	W1	33.1(3)	O10	K1	O18^{3}	106.9(3)

O5	W3	Mn1	77.1(3)	O10	K1	O24^{3}	67.2(3)
O5	W3	K1	128.8(3)	O10	K1	O23	54.6(3)
O5	W3	K2^{1}	111.9(3)	O10	K1	O14^{5}	168.7(3)
O5	W3	O9	155.2(4)	O18^{3}	K1	W2^{5}	70.7(2)
O5	W3	O11	74.7(4)	O18^{3}	K1	W5	125.9(2)
O5	W3	O3	84.8(4)	O18^{3}	K1	O21	145.3(3)
O3	W3	W4	41.7(3)	O18^{3}	K1	O11	162.5(3)
O3	W3	W1	86.2(3)	O18^{3}	K1	O24^{3}	51.1(3)
O3	W3	Mn1	35.2(3)	O18^{3}	K1	O23	117.6(3)
O3	W3	K1	102.3(3)	O18^{3}	K1	O14^{5}	62.5(3)
O3	W3	K2^{1}	148.6(3)	O24^{3}	K1	W2^{5}	89.4(2)
O3	W3	O11	72.2(4)	O24^{3}	K1	W5	75.8(2)
W4	W2	K1^{2}	119.70(6)	O24^{3}	K1	O11	113.2(3)
O6	W2	W4	33.7(3)	O23	K1	W2^{5}	96.4(2)
O6	W2	K1^{2}	106.0(3)	O23	K1	W5	28.2(2)
O6	W2	O12	75.4(4)	O23	K1	O21	71.0(3)
O6	W2	O2	80.5(4)	O23	K1	O11	51.6(3)
O12	W2	W4	44.6(3)	O23	K1	O24^{3}	68.7(3)
O12	W2	K1^{2}	141.9(2)	O23	K1	O14^{5}	125.1(3)
O12	W2	O2	69.7(4)	O14^{5}	K1	W2^{5}	28.9(2)
O20	W2	W4	88.4(4)	O14^{5}	K1	W5	152.7(2)
O20	W2	K1^{2}	44.7(4)	O14^{5}	K1	O21	84.7(3)
O20	W2	O6	98.0(5)	O14^{5}	K1	O11	134.3(3)
O20	W2	O12	97.2(4)	O14^{5}	K1	O24^{3}	101.8(3)
O20	W2	O8	96.4(5)	O5W	K1	W2^{5}	122.5(3)
O20	W2	O2	166.8(4)	O5W	K1	W5	110.8(3)
O20	W2	O14	104.3(6)	O5W	K1	O9	82.1(4)
O8	W2	W4	119.8(3)	O5W	K1	O21	135.0(4)
O8	W2	K1^{2}	103.7(3)	O5W	K1	O11	112.0(4)
O8	W2	O6	148.8(5)	O5W	K1	O20^{5}	146.1(4)
O8	W2	O12	75.3(4)	O5W	K1	O10	81.6(4)
O8	W2	O2	79.3(4)	O5W	K1	O18^{3}	64.6(4)
O2	W2	W4	83.1(2)	O5W	K1	O24^{3}	89.4(4)
O2	W2	K1^{2}	148.4(3)	O5W	K1	O23	135.6(4)
O14	W2	W4	133.1(4)	O5W	K1	O14^{5}	96.2(4)
O14	W2	K1^{2}	59.6(4)	W3^{1}	K2	W4^{4}	108.43(10)
O14	W2	O6	99.4(5)	W3^{1}	K2	Na1^{8}	54.9(2)
O14	W2	O12	158.4(5)	W4^{4}	K2	Na1^{8}	110.2(2)
O14	W2	O8	103.7(5)	O21^{1}	K2	W3^{1}	27.3(2)
O14	W2	O2	88.9(5)	O21^{1}	K2	W4^{4}	81.4(2)

W5	W6	Mn1	59.76(4)	O21^{1}	K2	O15^{1}	54.9(3)
W5	W6	K4^{3}	153.83(6)	O21^{1}	K2	O16^{4}	97.5(3)
W5	W6	K1^{3}	104.16(6)	O21^{1}	K2	Na1^{8}	67.8(3)
Mn1	W6	K4^{3}	128.69(4)	O21^{1}	K2	O2W^{8}	63.1(5)
Mn1	W6	K1^{3}	162.45(7)	O21^{1}	K2	O10W	76.8(5)
K1^{3}	W6	K4^{3}	62.44(6)	O15	K2	W3^{1}	89.6(2)
O12	W6	W5	85.0(3)	O15^{1}	K2	W3^{1}	28.09(19)
O12	W6	Mn1	35.7(2)	O15^{1}	K2	W4^{4}	133.7(2)
O12	W6	K4^{3}	94.6(2)	O15	K2	W4^{4}	161.8(3)
O12	W6	K1^{3}	144.9(2)	O15	K2	O21^{1}	116.4(3)
O4	W6	W5	41.6(3)	O15	K2	O15^{1}	64.5(4)
O4	W6	Mn1	34.0(3)	O15	K2	O16^{4}	142.6(3)
O4	W6	K4^{3}	159.4(3)	O15^{1}	K2	O16^{4}	136.3(3)
O4	W6	K1^{3}	137.7(3)	O15^{1}	K2	Na1^{8}	43.2(3)
O4	W6	O12	69.6(4)	O15	K2	Na1^{8}	81.9(3)
O8	W6	W5	126.3(3)	O15	K2	O2W^{8}	117.6(5)
O8	W6	Mn1	75.6(3)	O15	K2	O10W	69.6(6)
O8	W6	K4^{3}	77.9(3)	O6^{4}	K2	W3^{1}	102.4(2)
O8	W6	K1^{3}	121.8(3)	O6^{4}	K2	W4^{4}	28.9(2)
O8	W6	O12	73.3(4)	O6^{4}	K2	O21^{1}	76.8(3)
O8	W6	O4	84.7(4)	O6^{4}	K2	O15	146.2(4)
O8	W6	O10	152.9(4)	O6^{4}	K2	O15^{1}	130.3(3)
O10	W6	W5	33.1(3)	O6^{4}	K2	O16^{4}	53.4(3)
O10	W6	Mn1	77.3(3)	O6^{4}	K2	O9W	85.1(3)
O10	W6	K4^{3}	120.7(3)	O6^{4}	K2	Na1^{8}	130.7(3)
O10	W6	K1^{3}	85.2(3)	O6^{4}	K2	O2W^{8}	96.2(5)
O10	W6	O12	85.0(4)	O6^{4}	K2	O10W	85.0(6)
O10	W6	O4	72.5(4)	O16	K2	W3^{1}	122.9(3)
O18	W6	W5	90.1(4)	O16^{4}	K2	W3^{1}	121.0(2)
O18	W6	Mn1	130.3(4)	O16^{4}	K2	W4^{4}	26.06(19)
O18	W6	K4^{3}	96.3(4)	O16	K2	W4^{4}	100.0(3)
O18	W6	K1^{3}	50.7(4)	O16	K2	O21^{1}	134.4(4)
O18	W6	O12	164.4(5)	O16	K2	O15	70.9(3)
O18	W6	O4	97.1(5)	O16	K2	O15^{1}	100.5(3)
O18	W6	O8	98.1(5)	O16	K2	O6^{4}	123.8(4)
O18	W6	O10	98.9(5)	O16	K2	O16^{4}	74.1(4)
O18	W6	O24	103.2(6)	O16	K2	O9W	72.0(3)
O24	W6	W5	128.5(4)	O16	K2	Na1^{8}	69.2(3)
O24	W6	Mn1	126.5(4)	O16^{4}	K2	Na1^{8}	97.9(3)
O24	W6	K4^{3}	25.3(4)	O16	K2	O2W^{8}	73.7(5)

O24	W6	K1^{3}	56.2(4)	O16	K2	O10W	138.2(6)
O24	W6	O12	91.4(5)	O9W	K2	W3^{1}	150.2(3)
O24	W6	O4	157.9(5)	O9W	K2	W4^{4}	92.1(3)
O24	W6	O8	101.0(5)	O9W	K2	O21^{1}	153.4(4)
O24	W6	O10	95.4(5)	O9W	K2	O15	70.2(3)
W3	W4	W2	120.28(3)	O9W	K2	O15^{1}	133.8(4)
W3	W4	K2^{4}	131.21(6)	O9W	K2	O16^{4}	86.8(3)
W2	W4	K2^{4}	75.73(7)	O9W	K2	Na1^{8}	137.9(3)
Mn1	W4	W3	59.57(4)	O9W	K2	O2W^{8}	139.3(5)
Mn1	W4	W2	60.72(4)	O9W	K2	O10W	82.5(5)
Mn1	W4	K2^{4}	114.13(8)	O2W^{8}	K2	W3^{1}	69.3(4)
O9	W4	W3	34.3(3)	O2W^{8}	K2	W4^{4}	72.8(4)
O9	W4	W2	128.2(3)	O2W^{8}	K2	O15^{1}	73.8(4)
O9	W4	Mn1	77.8(3)	O2W^{8}	K2	O16^{4}	63.0(4)
O9	W4	K2^{4}	154.6(3)	O2W^{8}	K2	Na1^{8}	37.4(4)
O9	W4	O12	84.5(4)	O10W	K2	W3^{1}	69.7(4)
O9	W4	O3	74.2(4)	O10W	K2	W4^{4}	113.7(6)
O6	W4	W3	126.1(3)	O10W	K2	O15^{1}	74.0(5)
O6	W4	W2	33.1(3)	O10W	K2	O16^{4}	137.8(6)
O6	W4	Mn1	75.7(3)	O10W	K2	Na1^{8}	117.1(5)
O6	W4	K2^{4}	45.0(3)	O10W	K2	O2W^{8}	138.3(6)
O6	W4	O9	153.5(4)	W1^{2}	Na2	K2^{4}	94.17(14)
O6	W4	O12	74.0(4)	K4^{3}	Na2	W1^{2}	114.13(18)
O6	W4	O3	84.2(4)	K4^{3}	Na2	K1^{2}	68.80(14)
O12	W4	W3	84.9(3)	K4^{3}	Na2	K2^{4}	134.9(2)
O12	W4	W2	43.6(3)	K1^{2}	Na2	W1^{2}	89.89(15)
O12	W4	Mn1	36.3(2)	K1^{2}	Na2	K2^{4}	77.31(14)
O12	W4	K2^{4}	118.7(3)	O21^{2}	Na2	W1^{2}	66.4(3)
O3	W4	W3	42.0(3)	O21^{2}	Na2	K4^{3}	127.2(4)
O3	W4	W2	86.4(3)	O21^{2}	Na2	K1^{2}	58.4(3)
O3	W4	Mn1	35.0(2)	O21^{2}	Na2	K2^{4}	35.2(3)
O3	W4	K2^{4}	102.4(3)	O21^{2}	Na2	O23^{2}	95.2(4)
O3	W4	O12	71.3(3)	O20	Na2	W1^{2}	136.1(4)
O16	W4	W3	90.1(4)	O20	Na2	K4^{3}	57.5(3)
O16	W4	W2	128.7(4)	O20	Na2	K1^{2}	46.2(3)
O16	W4	Mn1	128.0(4)	O20	Na2	K2^{4}	77.6(3)
O16	W4	K2^{4}	54.0(4)	O20	Na2	O21^{2}	85.3(4)
O16	W4	O9	100.7(5)	O20	Na2	O19^{2}	157.9(5)
O16	W4	O6	95.7(5)	O20	Na2	O22	80.7(4)
O16	W4	O12	162.4(4)	O20	Na2	O23^{2}	83.8(4)

O16	W4	O3	93.8(5)	O19^{2}	Na2	W1^{2}	21.8(3)
O16	W4	O22	104.3(5)	O19^{2}	Na2	K4^{3}	120.7(4)
O22	W4	W3	130.0(4)	O19^{2}	Na2	K1^{2}	111.7(3)
O22	W4	W2	87.2(4)	O19^{2}	Na2	K2^{4}	98.8(3)
O22	W4	Mn1	127.7(4)	O19^{2}	Na2	O21^{2}	79.9(4)
O22	W4	K2^{4}	93.6(4)	O19^{2}	Na2	O23^{2}	81.3(4)
O22	W4	O9	95.8(5)	O22	Na2	W1^{2}	137.2(3)
O22	W4	O6	100.2(5)	O22	Na2	K4^{3}	104.1(3)
O22	W4	O12	91.8(4)	O22	Na2	K1^{2}	122.5(3)
O22	W4	O3	160.8(5)	O22	Na2	K2^{4}	70.1(3)
W6	W5	K1	75.61(6)	O22	Na2	O21^{2}	105.1(4)
Mn1	W5	W6	60.46(4)	O22	Na2	O19^{2}	119.0(5)
Mn1	W5	K1	82.39(7)	O22	Na2	O23^{2}	153.2(5)
O11	W5	W6	87.0(3)	O23^{2}	Na2	W1^{2}	67.1(3)
O11	W5	Mn1	36.8(3)	O23^{2}	Na2	K4^{3}	49.1(3)
O11	W5	K1	62.7(2)	O23^{2}	Na2	K1^{2}	55.2(3)
O4	W5	W6	41.7(3)	O23^{2}	Na2	K2^{4}	127.4(3)
O4	W5	Mn1	34.4(3)	O4W	Na2	W1^{2}	99.2(5)
O4	W5	K1	101.8(3)	O4W	Na2	K4^{3}	55.7(4)
O4	W5	O11	71.2(4)	O4W	Na2	K1^{2}	122.6(4)
O10	W5	W6	34.3(4)	O4W	Na2	K2^{4}	155.8(5)
O10	W5	Mn1	78.6(3)	O4W	Na2	O21^{2}	165.4(6)
O10	W5	K1	45.9(4)	O4W	Na2	O20	105.4(5)
O10	W5	O11	86.7(4)	O4W	Na2	O19^{2}	86.9(5)
O10	W5	O4	73.7(5)	O4W	Na2	O22	86.6(5)
O10	W5	O7	155.3(5)	O4W	Na2	O23^{2}	76.6(5)
O17	W5	W6	91.5(4)	W1^{6}	K3	K1^{3}	143.44(18)
O17	W5	Mn1	131.3(4)	O18	K3	W1^{6}	150.6(4)
O17	W5	K1	131.4(4)	O18	K3	K1^{3}	47.1(3)
O17	W5	O11	164.9(5)	O18	K3	O17	65.7(3)
O17	W5	O4	97.9(5)	O18	K3	O7^{6}	130.7(5)
O17	W5	O10	100.5(5)	O18	K3	O13^{6}	145.5(4)
O17	W5	O7	95.2(5)	O18	K3	O14^{9}	70.8(4)
O23	W5	W6	128.0(4)	O18	K3	O5W^{3}	59.6(4)
O23	W5	Mn1	122.6(4)	O18	K3	O6WA	71.5(7)
O23	W5	K1	55.9(4)	O18	K3	O11W^{10}	111.5(6)
O23	W5	O11	86.6(4)	O17	K3	W1^{6}	128.5(3)
O23	W5	O4	154.7(5)	O17	K3	K1^{3}	85.9(3)

O23	W5	O10	93.7(5)	O17	K3	O5W^{3}	53.7(4)
O23	W5	O17	106.0(6)	O7^{6}	K3	W1^{6}	30.7(2)
O23	W5	O7	100.1(5)	O7^{6}	K3	K1^{3}	167.9(4)
O7	W5	W6	127.2(3)	O7^{6}	K3	O17	104.0(4)
O7	W5	Mn1	76.7(3)	O7^{6}	K3	O13^{6}	57.9(3)
O7	W5	K1	130.1(3)	O7^{6}	K3	O14^{9}	119.9(5)
O7	W5	O11	74.0(4)	O7^{6}	K3	O5W^{3}	152.6(4)
O7	W5	O4	85.5(4)	O13^{6}	K3	W1^{6}	27.4(2)
W3	W1	Na2^{5}	67.81(10)	O13^{6}	K3	K1^{3}	116.3(3)
W3	W1	K3^{6}	154.29(11)	O13^{6}	K3	O17	148.8(4)
K3^{6}	W1	Na2^{5}	125.54(17)	O13^{6}	K3	O5W^{3}	131.8(4)
O11	W1	W3	43.4(3)	O14^{9}	K3	W1^{6}	99.6(3)
O11	W1	Na2^{5}	68.6(3)	O14^{9}	K3	K1^{3}	48.5(3)
O11	W1	K3^{6}	116.3(3)	O14^{9}	K3	O17	131.9(4)
O11	W1	O1	69.2(3)	O14^{9}	K3	O13^{6}	77.1(4)
O5	W1	W3	33.0(3)	O14^{9}	K3	O5W^{3}	87.0(4)
O5	W1	Na2^{5}	88.0(3)	O5W^{3}	K3	W1^{6}	149.5(3)
O5	W1	K3^{6}	146.4(3)	O5W^{3}	K3	K1^{3}	39.4(3)
O5	W1	O11	74.2(4)	O6WA	K3	W1^{6}	79.1(6)
O5	W1	O1	81.6(4)	O6WA	K3	K1^{3}	100.3(6)
O1	W1	W3	82.3(3)	O6WA	K3	O17	113.1(6)
O1	W1	Na2^{5}	137.8(3)	O6WA	K3	O7^{6}	69.6(6)
O1	W1	K3^{6}	74.0(3)	O6WA	K3	O13^{6}	85.8(7)
O19	W1	W3	90.0(4)	O6WA	K3	O14^{9}	69.5(6)
O19	W1	Na2^{5}	31.6(4)	O6WA	K3	O5W^{3}	130.5(7)
O19	W1	K3^{6}	112.0(4)	O6WA	K3	O11W^{10}	153.6(7)
O19	W1	O11	100.1(5)	O11W^{10}	K3	W1^{6}	95.1(5)
O19	W1	O5	96.0(5)	O11W^{10}	K3	K1^{3}	69.1(5)
O19	W1	O1	169.3(5)	O11W^{10}	K3	O17	90.8(5)
O19	W1	O7	97.4(5)	O11W	K3	O7^{6}	117.0(5)

				O11W^{10}			
O19	W1	O13	103.4(6)		K3	O13^{6}	78.3(5)
				O11W^{10}			
O7	W1	W3	118.2(3)		K3	O14^{9}	86.5(5)
				O11W^{10}			
O7	W1	Na2^{5}	88.4(3)		K3	O5W^{3}	55.3(5)
O7	W1	K3^{6}	48.4(3)	W3	O9	W4	111.2(5)
O7	W1	O11	75.0(4)	W3	O9	K1	102.8(4)
O7	W1	O5	148.1(4)	W4	O9	K1	129.1(5)
O7	W1	O1	80.0(4)	W3	O21	K1	96.0(5)
O13	W1	W3	137.1(4)	W3	O21	K2^{1}	102.1(5)
O13	W1	Na2^{5}	134.9(4)	W3	O21	Na2^{5}	138.8(6)
O13	W1	K3^{6}	52.6(4)	K2^{1}	O21	K1	116.5(4)
O13	W1	O11	156.5(5)	Na2^{5}	O21	K1	80.9(3)
O13	W1	O5	104.4(5)	Na2^{5}	O21	K2^{1}	116.1(4)
O13	W1	O1	87.3(5)	W3	O15	K2	138.2(6)
O13	W1	O7	100.5(5)	W3	O15	K2^{1}	95.9(4)
W3	Mn1	W6	118.14(7)	K2	O15	K2^{1}	115.5(4)
W3	Mn1	W4	60.73(4)	W2	O6	W4	113.2(5)
W3	Mn1	W5	87.61(6)	W2	O6	K2^{4}	132.9(5)
W4	Mn1	W6	89.04(6)	W4	O6	K2^{4}	106.2(4)
W4	Mn1	W5	118.53(7)	W3	O11	W5	159.5(5)
W5	Mn1	W6	59.78(4)	W3	O11	W1	92.8(4)
O11	Mn1	W3	43.7(3)	W3	O11	K1	83.6(3)
O11	Mn1	W6	92.1(3)	W5	O11	K1	79.9(3)
O11	Mn1	W4	92.6(3)	W1	O11	W5	92.3(4)
O11	Mn1	W5	44.3(3)	W1	O11	K1	140.2(4)
O12	Mn1	W3	92.2(3)	Mn1	O11	W3	99.3(4)
O12	Mn1	W6	44.5(3)	Mn1	O11	W5	99.0(4)
O12	Mn1	W4	44.8(3)	Mn1	O11	W1	102.5(4)
O12	Mn1	W5	91.6(3)	Mn1	O11	K1	117.3(4)
O12	Mn1	O11	97.1(4)	W3	O5	W1	113.9(5)
O4	Mn1	W3	127.2(3)	W3	O5	Na1^{11}	104.4(5)
O4	Mn1	W6	39.7(3)	W1	O5	Na1^{11}	133.2(6)
O4	Mn1	W4	128.2(4)	W2	O12	W6	91.5(4)
O4	Mn1	W5	40.2(3)	W2	O12	W4	91.8(4)
O4	Mn1	O11	84.4(5)	W4	O12	W6	159.7(4)
O4	Mn1	O12	84.1(5)	Mn1	O12	W2	102.9(4)
O4	Mn1	O3	164.5(5)	Mn1	O12	W6	99.9(4)
O4	Mn1	O2	93.7(5)	Mn1	O12	W4	98.9(4)

O3	Mn1	W3	41.5(3)	W2	O20	K4^{3}	135.3(5)
O3	Mn1	W6	129.5(3)	W2	O20	K1^{2}	108.1(5)
O3	Mn1	W4	41.0(3)	W2	O20	Na2	135.0(6)
O3	Mn1	W5	128.7(3)	K1^{2}	O20	K4^{3}	91.5(3)
O3	Mn1	O11	85.2(4)	Na2	O20	K4^{3}	81.1(3)
O3	Mn1	O12	85.8(4)	Na2	O20	K1^{2}	93.1(4)
O3	Mn1	O2	97.2(4)	W5	O4	W6	96.6(4)
O1	Mn1	W3	90.1(3)	Mn1	O4	W6	106.4(5)
O1	Mn1	W6	133.8(3)	Mn1	O4	W5	105.4(5)
O1	Mn1	W4	137.0(3)	W2	O8	W6	114.8(5)
O1	Mn1	W5	88.3(3)	W4	O3	W3	96.3(4)
O1	Mn1	O11	84.4(4)	Mn1	O3	W3	103.3(5)
O1	Mn1	O12	177.7(5)	Mn1	O3	W4	104.0(5)
O1	Mn1	O4	94.3(5)	W6	O10	K1	129.0(5)
O1	Mn1	O3	96.1(5)	W5	O10	W6	112.6(5)
O1	Mn1	O2	93.0(4)	W5	O10	K1	103.9(5)
O2	Mn1	W3	138.6(3)	W4	O16	K2^{4}	99.9(5)
O2	Mn1	W6	88.2(3)	W4	O16	K2	145.0(6)
O2	Mn1	W4	90.8(3)	K2	O16	K2^{4}	102.8(4)
O2	Mn1	W5	133.7(3)	Mn1	O1	W1	103.9(4)
O2	Mn1	O11	176.7(4)	C1	O1	W1	118.6(10)
O2	Mn1	O12	85.4(4)	C1	O1	Mn1	118.4(11)
W6^{5}	K4	W6^{3}	81.98(11)	W1	O19	Na2^{5}	126.7(6)
Na2^{3}	K4	W6^{3}	87.57(11)	W4	O22	Na2	132.8(6)
Na2^{3}	K4	W6^{5}	111.02(12)	W6	O18	K1^{3}	103.5(5)
Na2^{5}	K4	W6^{3}	111.02(13)	W6	O18	K3	154.8(7)
Na2^{5}	K4	W6^{5}	87.57(11)	K3	O18	K1^{3}	93.1(4)
Na2^{5}	K4	Na2^{3}	155.8(3)	W5	O17	K3	135.2(6)
O20^{3}	K4	W6^{5}	77.3(2)	Mn1	O2	W2	101.9(4)
O20^{5}	K4	W6^{5}	58.8(2)	C2	O2	W2	121.9(9)
O20^{3}	K4	W6^{3}	58.8(2)	C2	O2	Mn1	119.1(9)
O20^{5}	K4	W6^{3}	77.3(2)	W6	O24	K4^{3}	138.3(6)
O20^{3}	K4	Na2^{3}	41.5(2)	W6	O24	K1^{3}	97.1(5)
O20^{5}	K4	Na2^{5}	41.5(2)	K4^{3}	O24	K1^{3}	88.9(3)
O20^{5}	K4	Na2^{3}	162.6(3)	W5	O23	K4	135.8(6)
O20^{3}	K4	Na2^{5}	162.6(3)	W5	O23	K1	95.9(5)
O20^{3}	K4	O20^{5}	121.5(4)	W5	O23	Na2^{5}	136.8(6)
O24^{3}	K4	W6^{5}	97.8(3)	K4	O23	K1	90.8(4)
O24^{5}	K4	W6^{3}	97.8(3)	Na2^{5}	O23	K4	87.4(4)
O24^{5}	K4	W6^{5}	16.3(3)	Na2^{5}	O23	K1	83.1(4)

O24^{3}	K4	W6^{3}	16.3(3)	W5	O7	K3^{6}	142.2(6)
O24^{5}	K4	Na2^{3}	107.9(3)	W1	O7	W5	114.5(5)
O24^{3}	K4	Na2^{5}	107.9(3)	W1	O7	K3^{6}	100.9(4)
O24^{5}	K4	Na2^{5}	85.5(3)	W1	O13	K3^{6}	100.0(5)
O24^{3}	K4	Na2^{3}	85.5(3)	W2	O14	K1^{2}	91.4(5)
O24^{3}	K4	O20^{3}	66.4(3)	W2	O14	K3^{9}	144.6(6)
O24^{3}	K4	O20^{5}	82.3(4)	K3^{9}	O14	K1^{2}	88.2(4)
O24^{5}	K4	O20^{5}	66.4(3)	K1	O5W	K3^{3}	86.5(4)
O24^{5}	K4	O20^{3}	82.3(4)	O2	C2	C3	113.8(14)
O24^{5}	K4	O24^{3}	113.9(5)	Na2	O4W	K4^{3}	84.1(5)
O24^{3}	K4	O23^{7}	128.4(4)	C2	C3	C1	112.8(15)
O24^{3}	K4	O23	82.7(3)	C2	C3	C4	106.6(15)
O24^{5}	K4	O23^{7}	82.7(3)	N35	C3	C2	111.4(15)
O24^{5}	K4	O23	128.4(4)	N35	C3	C1	109.8(15)
O24^{3}	K4	O4W^{3}	83.9(4)	N35	C3	C4	105.9(14)
O24^{5}	K4	O4W^{5}	83.9(4)	C1	C3	C4	109.9(15)
O24^{3}	K4	O4W^{5}	144.4(4)	O1	C1	C3	111.6(14)
O24^{5}	K4	O4W^{3}	144.4(4)	C4	O25	Na1	136.6(16)
O23	K4	W6^{3}	95.2(2)	O25	C4	C3	110.1(18)
O23^{7}	K4	W6^{3}	126.3(3)	O5^{11}	Na1	K2^{12}	77.0(4)
O23	K4	W6^{5}	126.3(3)	O5^{11}	Na1	O25	135.0(8)
O23^{7}	K4	W6^{5}	95.2(2)	O5^{11}	Na1	O3W A^{11}	78.5(11)
O23	K4	Na2^{3}	122.4(3)	O25	Na1	K2^{12}	99.2(6)
O23^{7}	K4	Na2^{5}	122.4(3)	O25	Na1	O3W A^{11}	122.6(12)
O23	K4	Na2^{5}	43.5(3)	O2W	Na1	K2^{12}	40.3(4)
O23^{7}	K4	Na2^{3}	43.5(3)	O2W	Na1	O5^{11}	77.2(6)
O23^{7}	K4	O20^{5}	144.3(3)	O2W	Na1	O25	72.7(6)
O23^{7}	K4	O20^{3}	68.3(3)	O2W	Na1	O3W A^{11}	154.9(12)
O23	K4	O20^{3}	144.3(3)	O10W^{11}	Na1	K2^{12}	79.3(7)
O23	K4	O20^{5}	68.3(3)	O10W^{11}	Na1	O5^{11}	117.4(8)
O23	K4	O23^{7}	126.2(5)	O10W^{11}	Na1	O25	105.4(9)

O23[7]	K4	O4W[5]	82.5(4)	O10W[11]	Na1	O2W	115.1(10)
O23	K4	O4W[5]	62.9(4)	O10W[11]	Na1	O3W A[11]	81.9(12)
O23[7]	K4	O4W[3]	62.9(4)	O3W A[11]	Na1	K2[12]	137.4(11)
O23	K4	O4W[3]	82.5(4)	Na1	O2W	K2[12]	102.3(7)
O4W[5]	K4	W6[3]	151.2(3)	Na1[11]	O10W	K2	111.0(9)

[1]−X, 2−Y, −Z; [2]+X, 2−Y, −1/2+Z; [3]1−X, 2−Y, −Z; [4]−X, +Y, −1/2−Z; [5]+X, 2−Y, 1/2+Z; [6]1−X, 1−Y, −Z; [7]1−X, +Y, 1/2−Z; [8]+X, 1+Y, +Z; [9]1−X, +Y, −1/2−Z; [10]1+X, +Y, +Z; [11]−X, 1−Y, −Z; [12]+X, −1+Y, +Z

Table S8. Bond Lengths for Compound **3**.

Atom	Atom	Length/Å	Atom	Atom	Length/Å
W6	W5	3.1991(9)	K3	O4W	3.12(2)
W6	Mn1	3.180(2)	K3	Na2[7]	3.792(18)
W6	K1[1]	3.848(4)	K4	W2[4]	4.003(5)
W6	O4	2.175(11)	K4	W5[2]	3.761(4)
W6	O12	2.201(11)	K4	K2[4]	3.835(8)
W6	O8	1.951(10)	K4	O20[4]	2.721(12)
W6	O10	1.948(10)	K4	O16	2.785(12)
W6	O24	1.741(12)	K4	O15	2.622(12)
W6	O18	1.726(12)	K4	O17[2]	2.732(12)
W6	Na1	3.290(11)	K4	O2W[4]	2.888(16)
W4	W3	3.2011(9)	K4	Na2	3.480(18)
W4	Mn1	3.178(3)	K4	Na1[4]	4.161(15)
W4	K3[2]	3.810(4)	K4	Na4	3.33(6)
W4	K2	3.803(6)	K4	O5W	2.91(4)
W4	O3	2.149(11)	K2	W1[8]	3.889(6)
W4	O9	1.943(10)	K2	W5[8]	3.836(5)
W4	O12	2.236(11)	K2	K3[2]	3.865(7)
W4	O6	1.944(11)	K2	K4[5]	3.835(8)
W4	O22	1.746(11)	K2	O19[8]	2.436(13)
W4	O16	1.746(11)	K2	O23[8]	2.414(12)
W3	Mn1	3.181(2)	K2	O22	2.364(12)
W3	K1[3]	3.780(4)	K2	O20	2.411(13)
W3	K1	3.664(4)	K2	O2W	2.380(14)
W3	O3	2.140(11)	K2	O1W	2.314(16)

W3	O9	1.951(11)	O3	Na4	2.79(5)
W3	O11	2.260(10)	O8	Na1	2.336(15)
W3	O5	1.944(11)	O5	Na1^{4}	2.338(15)
W3	O21	1.750(11)	O2	C2	1.45(2)
W3	O15	1.726(11)	O1	C1	1.45(2)
W3	Na1^{4}	3.382(13)	O19	K3^{4}	2.747(12)
W3	Na4	3.66(5)	O19	K2^{6}	2.436(13)
W2	K4^{5}	4.003(5)	O23	K2^{6}	2.413(12)
W2	K2	3.844(6)	O21	K1^{3}	2.788(11)
W2	O12	2.237(10)	O24	K1^{1}	2.771(12)
W2	O8	1.914(11)	O20	K4^{5}	2.721(12)
W2	O6	1.931(11)	O16	K3^{2}	2.766(12)
W2	O2	2.250(11)	O15	K1^{3}	3.302(13)
W2	O20	1.732(11)	O15	Na1^{4}	2.75(2)
W2	O14	1.735(12)	O17	K4^{7}	2.732(12)
W1	Mn1	3.238(2)	O17	Na2^{7}	2.63(2)
W1	K3^{4}	4.040(4)	O3W	K1^{1}	2.771(13)
W1	K2^{6}	3.889(6)	O18	Na1	2.511(17)
W1	O11	2.215(10)	O2W	K4^{5}	2.888(16)
W1	O5	1.920(11)	O1W	K3^{2}	3.045(18)
W1	O7	1.927(11)	O4W	Na2^{7}	2.29(2)
W1	O1	2.255(11)	Na2	K3^{2}	3.792(18)
W1	O19	1.743(11)	Na2	O17^{2}	2.63(2)
W1	O13	1.751(12)	Na2	O4W^{2}	2.29(2)
W5	Mn1	3.185(2)	Na2	O9W	2.32(2)
W5	K1	3.772(4)	Na2	O10W	2.34(3)
W5	K4^{7}	3.761(5)	Na2	Na3^{9}	3.45(3)
W5	K2^{6}	3.836(5)	Na2	O5W	2.34(4)
W5	O4	2.129(10)	O9W	Na3^{9}	2.89(4)
W5	O11	2.225(10)	C2	C3	1.53(3)
W5	O7	1.954(12)	C3	C5	1.49(3)
W5	O10	1.935(11)	C3	C1	1.51(3)
W5	O23	1.754(11)	C3	C4	1.47(3)
W5	O17	1.761(12)	O10W	Na3^{9}	2.93(4)
Mn1	O4	1.897(12)	C5	O25B	1.511(19)
Mn1	O3	1.906(11)	C5	C6A	1.52(2)
Mn1	O11	1.932(10)	C4	C6B	1.526(15)
Mn1	O12	1.926(11)	C4	O25A	1.525(15)
Mn1	O2	1.890(10)	O25	Na3^{4}	2.78(5)

			B		
Mn1	O1	1.897(11)	Na3	Na2^{9}	3.45(3)
K1	W3^{3}	3.779(4)	Na3	O9W^{9}	2.89(4)
K1	O9	2.902(12)	Na3	O10W^{9}	2.93(4)
K1	O11	3.368(11)	Na3	O25B^{5}	2.78(5)
K1	O10	2.863(12)	Na3	O25A^{10}	2.66(6)
K1	O23	3.149(13)	Na3	O7W	2.76(4)
K1	O21^{3}	2.788(11)	Na3	O8W	2.85(5)
K1	O21	2.888(12)	Na3	O11W^{9}	2.85(9)
K1	O24^{1}	2.771(12)	Na1	W3^{5}	3.382(13)
K1	O15^{3}	3.302(13)	Na1	K4^{5}	4.161(15)
K1	O3W^{1}	2.771(13)	Na1	O5^{5}	2.338(15)
K3	W4^{7}	3.810(4)	Na1	O15^{5}	2.75(2)
K3	W1^{5}	4.040(4)	Na1	O7W	2.27(3)
K3	K1^{1}	4.379(6)	Na1	O8W	2.32(6)
K3	K2^{7}	3.865(7)	Na1	Na4^{5}	2.51(5)
K3	O19^{5}	2.747(12)	O25A	Na3^{10}	2.66(5)
K3	O16^{7}	2.766(12)	O8W	Na4^{5}	2.15(7)
K3	O17	2.888(13)	Na4	Na1^{4}	2.51(5)
K3	O3W	2.734(14)	Na4	O8W^{4}	2.15(7)
K3	O18	2.692(12)	Na4	O11W	2.78(9)
K3	O1W^{7}	3.045(18)	O11W	Na3^{9}	2.85(9)

^{1}−X, 1−Y, 1−Z; ^{2}1+X, 1+Y, +Z; ^{3}1−X, 1−Y, 1−Z; ^{4}1+X, +Y, +Z; ^{5}−1+X, +Y, +Z; ^{6}+X, −1+Y, +Z; ^{7}−1+X, −1+Y, +Z; ^{8}+X, 1+Y, +Z; ^{9}1−X, 2−Y, 2−Z; ^{10}−X, 1−Y, 2−Z

Table S9. Bond Angles for Compound **3**.

Atom	**Atom**	**Atom**	**Angle/°**	**Atom**	**Atom**	**Atom**	**Angle/°**
W5	W6	K1^{1}	113.51(6)	O19^{5}	K3	O16^{7}	102.4(3)
W5	W6	Na1	118.3(3)	O19^{5}	K3	O17	147.9(4)
Mn1	W6	W5	59.90(4)	O19^{5}	K3	O1W^{7}	60.7(4)
Mn1	W6	K1^{1}	160.20(7)	O19^{5}	K3	O4W	68.5(4)
Mn1	W6	Na1	107.8(2)	O19^{5}	K3	Na2^{7}	105.6(4)
O4	W6	W5	41.4(3)	O16^{7}	K3	W4^{7}	24.9(2)

O4	W6	Mn1	35.6(3)	O16^{7}	K3	W1^{5}	113.0(3)
O4	W6	K1^{1}	150.7(3)	O16^{7}	K3	K1^{1}	149.6(3)
O4	W6	O12	72.1(4)	O16^{7}	K3	K2^{7}	84.0(3)
O4	W6	Na1	91.2(4)	O16^{7}	K3	O17	72.0(3)
O12	W6	W5	87.8(3)	O16^{7}	K3	O1W^{7}	107.7(4)
O12	W6	Mn1	36.5(3)	O16^{7}	K3	O4W	66.5(4)
O12	W6	K1^{1}	130.8(3)	O16^{7}	K3	Na2^{7}	58.7(4)
O12	W6	Na1	117.2(3)	O17	K3	W4^{7}	96.8(2)
O8	W6	W5	125.6(3)	O17	K3	W1^{5}	132.2(3)
O8	W6	Mn1	77.0(3)	O17	K3	K1^{1}	103.8(3)
O8	W6	K1^{1}	117.4(3)	O17	K3	K2^{7}	156.0(3)
O8	W6	O4	84.2(4)	O17	K3	O1W^{7}	151.4(4)
O8	W6	O12	73.3(4)	O17	K3	O4W	80.7(4)
O8	W6	Na1	44.4(4)	O17	K3	Na2^{7}	43.8(4)
O10	W6	W5	34.4(3)	O3W	K3	W4^{7}	122.5(3)
O10	W6	Mn1	78.6(3)	O3W	K3	W1^{5}	129.6(3)
O10	W6	K1^{1}	87.0(3)	O3W	K3	K1^{1}	37.6(3)
O10	W6	O4	74.0(4)	O3W	K3	K2^{7}	109.3(3)
O10	W6	O12	89.1(4)	O3W	K3	O19^{5}	128.7(4)
O10	W6	O8	155.4(5)	O3W	K3	O16^{7}	113.9(4)
O10	W6	Na1	144.7(4)	O3W	K3	O17	80.0(4)
O24	W6	W5	130.0(4)	O3W	K3	O1W^{7}	74.1(4)
O24	W6	Mn1	126.8(4)	O3W	K3	O4W	159.3(4)
O24	W6	K1^{1}	40.7(4)	O3W	K3	Na2^{7}	123.8(4)
O24	W6	O4	160.2(5)	O18	K3	W4^{7}	161.2(3)
O24	W6	O12	91.3(5)	O18	K3	W1^{5}	84.0(3)
O24	W6	O8	101.6(5)	O18	K3	K1^{1}	54.0(3)
O24	W6	O10	95.7(5)	O18	K3	K2^{7}	132.6(3)
O24	W6	Na1	106.3(5)	O18	K3	O19^{5}	102.3(4)
O18	W6	W5	89.9(4)	O18	K3	O16^{7}	141.2(4)
O18	W6	Mn1	128.7(4)	O18	K3	O17	71.1(3)
O18	W6	K1^{1}	66.9(4)	O18	K3	O3W	70.8(4)
O18	W6	O4	93.9(5)	O18	K3	O1W^{7}	110.4(4)
O18	W6	O12	161.1(5)	O18	K3	O4W	95.9(4)
O18	W6	O8	92.9(5)	O18	K3	Na2^{7}	86.0(4)
O18	W6	O10	99.5(5)	O1W^{7}	K3	W4^{7}	87.2(3)
O18	W6	O24	104.5(6)	O1W^{7}	K3	W1^{5}	75.2(3)
O18	W6	Na1	48.7(4)	O1W^{7}	K3	K1^{1}	61.3(3)
Na1	W6	K1^{1}	91.8(2)	O1W^{7}	K3	K2^{7}	36.8(3)
W3	W4	K3^{2}	130.97(7)	O1W^{7}	K3	O4W	126.3(4)

W3	W4	K2	156.20(9)	O1W^{7}	K3	Na2^{7}	160.0(4)
Mn1	W4	W3	59.82(4)	O4W	K3	W4^{7}	67.3(3)
Mn1	W4	K3^{2}	152.14(8)	O4W	K3	W1^{5}	61.6(3)
Mn1	W4	K2	121.21(10)	O4W	K3	K1^{1}	143.7(3)
K2	W4	K3^{2}	61.02(11)	O4W	K3	K2^{7}	91.3(3)
O3	W4	W3	41.6(3)	O4W	K3	Na2^{7}	37.2(4)
O3	W4	Mn1	35.7(3)	Na2^{7}	K3	W4^{7}	75.4(3)
O3	W4	K3^{2}	129.9(3)	Na2^{7}	K3	W1^{5}	95.9(3)
O3	W4	K2	152.9(3)	Na2^{7}	K3	K1^{1}	138.0(3)
O3	W4	O12	72.5(4)	Na2^{7}	K3	K2^{7}	123.3(3)
O9	W4	W3	34.8(3)	W2^{4}	K4	Na1^{4}	59.38(17)
O9	W4	Mn1	78.6(3)	W5^{2}	K4	W2^{4}	95.53(11)
O9	W4	K3^{2}	125.7(3)	W5^{2}	K4	K2^{4}	60.65(11)
O9	W4	K2	122.0(3)	W5^{2}	K4	Na1^{4}	144.9(2)
O9	W4	O3	74.5(4)	K2^{4}	K4	W2^{4}	58.69(11)
O9	W4	O12	85.6(4)	K2^{4}	K4	Na1^{4}	113.9(2)
O9	W4	O6	154.8(5)	O20^{4}	K4	W2^{4}	20.3(3)
O12	W4	W3	85.8(3)	O20^{4}	K4	W5^{2}	80.5(3)
O12	W4	Mn1	36.7(3)	O20^{4}	K4	K2^{4}	38.7(3)
O12	W4	K3^{2}	143.0(3)	O20^{4}	K4	O16	167.1(5)
O12	W4	K2	86.8(3)	O20^{4}	K4	O17^{2}	103.0(4)
O6	W4	W3	126.6(4)	O20^{4}	K4	O2W^{4}	63.9(4)
O6	W4	Mn1	76.2(3)	O20^{4}	K4	Na2	105.2(4)
O6	W4	K3^{2}	78.9(3)	O20^{4}	K4	Na1^{4}	79.0(3)
O6	W4	K2	72.4(4)	O20^{4}	K4	Na4	98.4(10)
O6	W4	O3	85.0(5)	O20^{4}	K4	O5W	105.2(7)
O6	W4	O12	74.1(4)	O16	K4	W2^{4}	149.7(4)
O22	W4	W3	131.3(4)	O16	K4	W5^{2}	98.9(3)
O22	W4	Mn1	126.4(4)	O16	K4	K2^{4}	150.7(3)
O22	W4	K3^{2}	69.4(4)	O16	K4	O2W^{4}	129.0(5)
O22	W4	K2	26.1(4)	O16	K4	Na2	63.3(4)
O22	W4	O3	160.6(5)	O16	K4	Na1^{4}	95.0(3)
O22	W4	O9	96.5(5)	O16	K4	Na4	70.7(10)
O22	W4	O12	89.9(5)	O16	K4	O5W	62.5(6)
O22	W4	O6	98.2(5)	O15	K4	W2^{4}	91.8(3)
O22	W4	O16	104.0(6)	O15	K4	W5^{2}	172.6(3)
O16	W4	W3	90.3(4)	O15	K4	K2^{4}	124.7(3)
O16	W4	Mn1	129.6(4)	O15	K4	O20^{4}	106.9(4)
O16	W4	K3^{2}	41.8(4)	O15	K4	O16	74.2(4)
O16	W4	K2	102.4(4)	O15	K4	O17^{2}	148.0(4)

O16	W4	O3	94.7(5)	O15	K4	O2W^{4}	94.6(4)
O16	W4	O9	99.8(5)	O15	K4	Na2	111.4(4)
O16	W4	O12	164.3(5)	O15	K4	Na1^{4}	40.4(4)
O16	W4	O6	96.3(5)	O15	K4	Na4	60.3(9)
W4	W3	K1	82.48(6)	O15	K4	O5W	71.8(7)
W4	W3	K1^{3}	118.88(6)	O17^{2}	K4	W2^{4}	113.8(3)
W4	W3	Na1^{4}	115.8(2)	O17^{2}	K4	W5^{2}	25.8(3)
W4	W3	Na4	74.3(9)	O17^{2}	K4	K2^{4}	86.3(3)
Mn1	W3	W4	59.73(5)	O17^{2}	K4	O16	74.1(4)
Mn1	W3	K1^{3}	164.98(7)	O17^{2}	K4	O2W^{4}	108.9(4)
Mn1	W3	K1	86.47(7)	O17^{2}	K4	Na2	48.2(4)
Mn1	W3	Na1^{4}	102.4(2)	O17^{2}	K4	Na1^{4}	139.7(4)
Mn1	W3	Na4	79.0(10)	O17^{2}	K4	Na4	104.3(9)
K1	W3	K1^{3}	78.58(8)	O17^{2}	K4	O5W	89.5(7)
O3	W3	W4	41.8(3)	O2W^{4}	K4	W2^{4}	77.9(3)
O3	W3	Mn1	35.6(3)	O2W^{4}	K4	W5^{2}	87.8(3)
O3	W3	K1^{3}	153.6(3)	O2W^{4}	K4	K2^{4}	38.3(3)
O3	W3	K1	109.6(3)	O2W^{4}	K4	Na2	154.0(4)
O3	W3	O11	72.6(4)	O2W^{4}	K4	Na1^{4}	107.9(3)
O3	W3	Na1^{4}	86.0(4)	O2W^{4}	K4	Na4	145.0(9)
O3	W3	Na4	49.4(10)	O2W^{4}	K4	O5W	160.0(7)
O9	W3	W4	34.6(3)	Na2	K4	W2^{4}	99.1(3)
O9	W3	Mn1	78.4(3)	Na2	K4	W5^{2}	66.6(3)
O9	W3	K1	52.0(3)	Na2	K4	K2^{4}	118.3(3)
O9	W3	K1^{3}	93.3(3)	Na4	K4	W2^{4}	79.0(10)
O9	W3	O3	74.6(4)	Na4	K4	W5^{2}	120.3(8)
O9	W3	O11	87.8(4)	Na4	K4	K2^{4}	136.7(10)
O9	W3	Na1^{4}	145.1(4)	Na4	K4	Na1^{4}	37.2(9)
O9	W3	Na4	106.6(9)	O5W	K4	W2^{4}	87.7(6)
O11	W3	W4	87.3(3)	O5W	K4	W5^{2}	107.5(7)
O11	W3	Mn1	36.9(2)	O5W	K4	K2^{4}	140.4(6)
O11	W3	K1	64.3(3)	O5W	K4	Na2	41.7(7)
O11	W3	K1^{3}	131.4(3)	W4	K2	W2	50.15(7)
O11	W3	Na1^{4}	114.1(3)	W4	K2	W1^{8}	97.24(13)
O11	W3	Na4	110.5(10)	W4	K2	W5^{8}	140.61(17)
O5	W3	W4	125.8(3)	W4	K2	K3^{2}	59.59(10)
O5	W3	Mn1	76.7(3)	W4	K2	K4^{5}	109.00(17)
O5	W3	K1^{3}	111.4(3)	W2	K2	W1^{8}	79.00(11)
O5	W3	K1	127.7(3)	W2	K2	K3^{2}	91.29(14)
O5	W3	O3	84.0(4)	W5^{8}	K2	W2	96.97(13)

O5	W3	O9	155.0(4)	W5^{8}	K2	W1^{8}	49.70(7)
O5	W3	O11	73.5(4)	W5^{8}	K2	K3^{2}	108.20(14)
O5	W3	Na1^{4}	42.1(4)	K3^{2}	K2	W1^{8}	62.80(11)
O5	W3	Na4	66.6(9)	K4^{5}	K2	W2	62.84(13)
O21	W3	W4	129.3(4)	K4^{5}	K2	W1^{8}	90.21(15)
O21	W3	Mn1	123.9(4)	K4^{5}	K2	W5^{8}	58.72(11)
O21	W3	K1	50.6(4)	K4^{5}	K2	K3^{2}	146.6(2)
O21	W3	K1^{3}	43.6(4)	O19^{8}	K2	W4	84.0(3)
O21	W3	O3	157.7(5)	O19^{8}	K2	W2	79.6(3)
O21	W3	O9	94.8(5)	O19^{8}	K2	W1^{8}	18.0(3)
O21	W3	O11	87.8(4)	O19^{8}	K2	W5^{8}	66.9(3)
O21	W3	O5	100.7(5)	O19^{8}	K2	K3^{2}	45.0(3)
O21	W3	Na1^{4}	112.2(4)	O19^{8}	K2	K4^{5}	106.1(3)
O21	W3	Na4	152.0(10)	O23^{8}	K2	W4	160.0(3)
O15	W3	W4	91.6(4)	O23^{8}	K2	W2	114.2(4)
O15	W3	Mn1	132.5(4)	O23^{8}	K2	W1^{8}	64.9(3)
O15	W3	K1^{3}	60.8(4)	O23^{8}	K2	W5^{8}	19.4(3)
O15	W3	K1	129.6(5)	O23^{8}	K2	K3^{2}	114.6(3)
O15	W3	O3	97.5(5)	O23^{8}	K2	K4^{5}	64.3(3)
O15	W3	O9	99.4(5)	O23^{8}	K2	O19^{8}	80.2(4)
O15	W3	O11	165.9(5)	O22	K2	W4	19.0(3)
O15	W3	O5	95.9(6)	O22	K2	W2	64.8(3)
O15	W3	O21	103.6(6)	O22	K2	W1^{8}	114.3(3)
O15	W3	Na1^{4}	54.1(5)	O22	K2	W5^{8}	159.5(4)
O15	W3	Na4	55.9(11)	O22	K2	K3^{2}	65.3(3)
Na1^{4}	W3	K1^{3}	91.6(2)	O22	K2	K4^{5}	115.1(3)
Na1^{4}	W3	K1	161.7(2)	O22	K2	O19^{8}	99.1(4)
Na1^{4}	W3	Na4	41.6(9)	O22	K2	O23^{8}	178.9(5)
Na4	W3	K1^{3}	115.6(10)	O22	K2	O20	81.1(4)
Na4	W3	K1	156.6(9)	O22	K2	O2W	94.2(5)
K2	W2	K4^{5}	58.47(12)	O20	K2	W4	68.0(3)
O12	W2	K4^{5}	108.8(3)	O20	K2	W2	18.4(3)
O12	W2	K2	85.7(3)	O20	K2	W1^{8}	78.2(3)
O12	W2	O2	69.5(4)	O20	K2	W5^{8}	82.6(3)
O8	W2	K4^{5}	69.3(3)	O20	K2	K3^{2}	106.7(3)
O8	W2	K2	112.5(3)	O20	K2	K4^{5}	44.8(3)
O8	W2	O12	73.2(4)	O20	K2	O19^{8}	84.4(4)
O8	W2	O6	146.8(4)	O20	K2	O23^{8}	98.0(4)
O8	W2	O2	82.5(5)	O2W	K2	W4	103.7(3)
O6	W2	K4^{5}	128.9(4)	O2W	K2	W2	87.1(4)

O6	W2	K2	71.4(4)	O2W	K2	W1^{8}	138.1(4)
O6	W2	O12	74.3(4)	O2W	K2	W5^{8}	94.0(4)
O6	W2	O2	80.0(5)	O2W	K2	K3^{2}	157.8(4)
O2	W2	K4^{5}	150.4(3)	O2W	K2	K4^{5}	48.8(4)
O2	W2	K2	146.4(3)	O2W	K2	O19^{8}	154.8(5)
O20	W2	K4^{5}	33.1(4)	O2W	K2	O23^{8}	86.1(4)
O20	W2	K2	26.1(4)	O2W	K2	O20	76.7(4)
O20	W2	O12	100.8(5)	O1W	K2	W4	99.3(5)
O20	W2	O8	96.6(5)	O1W	K2	W2	143.0(5)
O20	W2	O6	95.9(5)	O1W	K2	W1^{8}	86.3(4)
O20	W2	O2	170.2(4)	O1W	K2	W5^{8}	98.9(4)
O20	W2	O14	103.8(5)	O1W	K2	K3^{2}	52.0(5)
O14	W2	K4^{5}	91.0(4)	O1W	K2	K4^{5}	151.7(5)
O14	W2	K2	118.0(4)	O1W	K2	O19^{8}	76.4(5)
O14	W2	O12	155.2(5)	O1W	K2	O23^{8}	89.0(5)
O14	W2	O8	101.5(5)	O1W	K2	O22	91.7(5)
O14	W2	O6	105.1(5)	O1W	K2	O20	158.2(6)
O14	W2	O2	85.9(5)	O1W	K2	O2W	124.6(6)
Mn1	W1	K3^{4}	136.30(7)	W5	O4	W6	96.0(4)
Mn1	W1	K2^{6}	118.25(10)	Mn1	O4	W6	102.5(5)
K2^{6}	W1	K3^{4}	58.31(10)	Mn1	O4	W5	104.4(5)
O11	W1	Mn1	35.7(3)	W4	O3	Na4	114.2(12)
O11	W1	K3^{4}	108.1(3)	W3	O3	W4	96.6(4)
O11	W1	K2^{6}	85.6(3)	W3	O3	Na4	95.0(13)
O11	W1	O1	70.6(4)	Mn1	O3	W4	103.1(5)
O5	W1	Mn1	75.5(3)	Mn1	O3	W3	103.5(5)
O5	W1	K3^{4}	69.7(3)	Mn1	O3	Na4	135.9(14)
O5	W1	K2^{6}	114.4(3)	W4	O9	W3	110.6(5)
O5	W1	O11	75.0(4)	W4	O9	K1	138.1(5)
O5	W1	O7	148.3(5)	W3	O9	K1	96.1(4)
O5	W1	O1	82.4(5)	W3	O11	K1	78.5(3)
O7	W1	Mn1	75.1(3)	W1	O11	W3	93.1(4)
O7	W1	K3^{4}	128.1(3)	W1	O11	W5	94.0(4)
O7	W1	K2^{6}	70.6(3)	W1	O11	K1	134.7(4)
O7	W1	O11	74.3(4)	W5	O11	W3	158.6(5)
O7	W1	O1	80.3(4)	W5	O11	K1	82.1(3)
O1	W1	Mn1	35.0(3)	Mn1	O11	W3	98.4(4)
O1	W1	K3^{4}	150.9(3)	Mn1	O11	W1	102.4(4)
O1	W1	K2^{6}	146.6(3)	Mn1	O11	W5	99.8(4)
O19	W1	Mn1	134.6(4)	Mn1	O11	K1	122.7(4)

O19	W1	K3^{4}	33.0(4)	W6	O12	W4	156.7(5)
O19	W1	K2^{6}	25.6(4)	W6	O12	W2	94.5(4)
O19	W1	O11	99.0(4)	W4	O12	W2	92.9(4)
O19	W1	O5	97.0(5)	Mn1	O12	W6	100.6(5)
O19	W1	O7	95.3(5)	Mn1	O12	W4	99.3(5)
O19	W1	O1	169.4(5)	Mn1	O12	W2	102.8(5)
O19	W1	O13	104.7(5)	W6	O8	Na1	99.9(5)
O13	W1	Mn1	120.7(4)	W2	O8	W6	115.0(5)
O13	W1	K3^{4}	91.2(4)	W2	O8	Na1	144.3(6)
O13	W1	K2^{6}	117.0(4)	W3	O5	Na1^{4}	104.0(6)
O13	W1	O11	156.2(5)	W1	O5	W3	114.5(5)
O13	W1	O5	100.0(6)	W1	O5	Na1^{4}	141.5(6)
O13	W1	O7	105.0(6)	W1	O7	W5	113.6(6)
O13	W1	O1	85.8(5)	W2	O6	W4	113.5(5)
W6	W5	K1	78.18(6)	Mn1	O2	W2	103.5(5)
W6	W5	K4^{7}	132.31(8)	C2	O2	W2	118.3(11)
W6	W5	K2^{6}	154.98(9)	C2	O2	Mn1	117.6(11)
Mn1	W5	W6	59.75(4)	W6	O10	K1	132.5(5)
Mn1	W5	K1	84.60(7)	W5	O10	W6	111.0(5)
Mn1	W5	K4^{7}	151.59(12)	W5	O10	K1	101.9(4)
Mn1	W5	K2^{6}	121.22(10)	Mn1	O1	W1	102.1(5)
K1	W5	K2^{6}	77.11(11)	C1	O1	W1	121.7(12)
K4^{7}	W5	K1	121.14(12)	C1	O1	Mn1	119.5(13)
K4^{7}	W5	K2^{6}	60.63(12)	W1	O19	K3^{4}	126.8(6)
O4	W5	W6	42.6(3)	W1	O19	K2^{6}	136.4(6)
O4	W5	Mn1	35.2(3)	K2^{6}	O19	K3^{4}	96.2(4)
O4	W5	K1	106.4(3)	W5	O23	K1	96.4(4)
O4	W5	K4^{7}	130.3(3)	W5	O23	K2^{6}	133.4(6)
O4	W5	K2^{6}	152.5(3)	K2^{6}	O23	K1	116.4(5)
O4	W5	O11	71.9(4)	W4	O22	K2	134.9(6)
O11	W5	W6	85.2(3)	W3	O21	K1^{3}	110.7(5)
O11	W5	Mn1	36.7(3)	W3	O21	K1	101.5(5)
O11	W5	K1	62.2(3)	K1^{3}	O21	K1	112.3(4)
O11	W5	K4^{7}	142.3(3)	W6	O24	K1^{1}	115.2(6)
O11	W5	K2^{6}	86.7(3)	W2	O20	K4^{5}	126.6(6)
O7	W5	W6	127.7(3)	W2	O20	K2	135.5(6)
O7	W5	Mn1	76.2(3)	K2	O20	K4^{5}	96.5(4)
O7	W5	K1	126.6(3)	W4	O16	K3^{2}	113.3(5)
O7	W5	K4^{7}	78.3(3)	W4	O16	K4	139.9(6)
O7	W5	K2^{6}	71.8(3)	K3^{2}	O16	K4	105.5(4)

O7	W5	O4	85.2(4)	W3	O15	K1^{3}	92.0(5)
O7	W5	O11	73.5(4)	W3	O15	K4	143.9(6)
O10	W5	W6	34.7(3)	W3	O15	Na1^{4}	95.4(6)
O10	W5	Mn1	78.7(3)	K4	O15	K1^{3}	108.3(4)
O10	W5	K1	48.0(3)	K4	O15	Na1^{4}	101.5(5)
O10	W5	K4^{7}	126.6(3)	Na1^{4}	O15	K1^{3}	116.0(5)
O10	W5	K2^{6}	121.0(3)	W5	O17	K3	132.0(6)
O10	W5	O4	75.3(4)	W5	O17	K4^{7}	111.8(5)
O10	W5	O11	85.1(4)	W5	O17	Na2^{7}	129.1(7)
O10	W5	O7	154.8(4)	K4^{7}	O17	K3	103.6(4)
O23	W5	W6	129.3(4)	Na2^{7}	O17	K3	86.7(5)
O23	W5	Mn1	127.2(4)	Na2^{7}	O17	K4^{7}	80.9(5)
O23	W5	K1	56.0(4)	K3	O3W	K1^{1}	105.4(4)
O23	W5	K4^{7}	69.1(4)	W6	O18	K3	140.0(6)
O23	W5	K2^{6}	27.2(4)	W6	O18	Na1	100.2(5)
O23	W5	O4	160.5(5)	Na1	O18	K3	117.8(5)
O23	W5	O11	90.8(5)	K2	O2W	K4^{5}	92.9(4)
O23	W5	O7	98.8(5)	K2	O1W	K3^{2}	91.3(5)
O23	W5	O10	94.7(5)	Na2^{7}	O4W	K3	87.6(8)
O23	W5	O17	104.7(6)	K4	Na2	K3^{2}	74.7(4)
O17	W5	W6	91.7(4)	O17^{2}	Na2	K3^{2}	49.5(4)
O17	W5	Mn1	128.1(4)	O17^{2}	Na2	K4	50.8(4)
O17	W5	K1	134.5(4)	O17^{2}	Na2	Na3^{9}	121.5(8)
O17	W5	K4^{7}	42.4(4)	O4W^{2}	Na2	K3^{2}	55.2(6)
O17	W5	K2^{6}	102.8(4)	O4W^{2}	Na2	K4	115.4(7)
O17	W5	O4	93.9(5)	O4W^{2}	Na2	O17^{2}	104.4(8)
O17	W5	O11	162.0(5)	O4W^{2}	Na2	O9W	167.3(12)
O17	W5	O7	94.7(5)	O4W^{2}	Na2	O10W	88.4(9)
O17	W5	O10	102.4(5)	O4W^{2}	Na2	Na3^{9}	115.1(9)
W6	Mn1	W3	114.68(7)	O4W^{2}	Na2	O5W	97.8(11)
W6	Mn1	W1	121.04(7)	O9W	Na2	K3^{2}	137.4(9)
W6	Mn1	W5	60.35(5)	O9W	Na2	K4	72.6(7)
W4	Mn1	W6	86.22(6)	O9W	Na2	O17^{2}	88.3(8)
W4	Mn1	W3	60.44(5)	O9W	Na2	O10W	93.0(11)
W4	Mn1	W1	121.19(7)	O9W	Na2	Na3^{9}	56.2(9)
W4	Mn1	W5	118.99(8)	O9W	Na2	O5W	78.2(10)
W3	Mn1	W1	60.82(4)	O10W	Na2	K3^{2}	89.1(8)
W3	Mn1	W5	87.62(6)	O10W	Na2	K4	132.0(9)

W5	Mn1	W1	60.73(4)	O10W	Na2	O17^{2}	84.2(8)
O4	Mn1	W6	41.9(3)	O10W	Na2	Na3^{9}	57.0(9)
O4	Mn1	W4	127.8(3)	Na3^{9}	Na2	K3^{2}	145.9(7)
O4	Mn1	W3	127.2(3)	Na3^{9}	Na2	K4	128.8(7)
O4	Mn1	W1	90.6(3)	O5W	Na2	K3^{2}	104.8(9)
O4	Mn1	W5	40.3(3)	O5W	Na2	K4	55.9(9)
O4	Mn1	O3	164.0(5)	O5W	Na2	O17^{2}	106.1(11)
O4	Mn1	O11	83.8(4)	O5W	Na2	O10W	166.1(13)
O4	Mn1	O12	84.8(5)	O5W	Na2	Na3^{9}	109.1(11)
O4	Mn1	O1	96.0(5)	Na2	O9W	Na3^{9}	82.0(9)
O3	Mn1	W6	126.5(3)	O2	C2	C3	112.9(17)
O3	Mn1	W4	41.2(3)	C5	C3	C2	106.2(17)
O3	Mn1	W3	40.9(3)	C5	C3	C1	111.9(19)
O3	Mn1	W1	89.4(3)	C1	C3	C2	108.7(19)
O3	Mn1	W5	128.2(3)	C4	C3	C2	107(2)
O3	Mn1	O11	85.5(4)	C4	C3	C5	117(2)
O3	Mn1	O12	85.1(5)	C4	C3	C1	104.8(19)
O11	Mn1	W6	90.7(3)	Na2	O10W	Na3^{9}	80.9(11)
O11	Mn1	W4	94.0(3)	C3	C5	O25B	109(2)
O11	Mn1	W3	44.7(3)	C3	C5	C6A	119(3)
O11	Mn1	W1	41.9(3)	O1	C1	C3	115.4(18)
O11	Mn1	W5	43.5(3)	C3	C4	C6B	115(2)
O12	Mn1	W6	42.9(3)	C3	C4	O25A	124(3)
O12	Mn1	W4	44.0(3)	C5	O25B	Na3^{4}	120(2)
O12	Mn1	W3	91.7(3)	O9W^{9}	Na3	Na2^{9}	41.8(6)
O12	Mn1	W1	140.8(3)	O9W^{9}	Na3	O10W^{9}	71.0(9)
O12	Mn1	W5	93.2(3)	O10W^{9}	Na3	Na2^{9}	42.1(7)
O12	Mn1	O11	99.0(4)	O25B^{5}	Na3	O9W^{9}	63.7(10)
O2	Mn1	W6	90.4(3)	O25B^{5}	Na3	O10W^{9}	112.0(12)
O2	Mn1	W4	89.5(4)	O25B^{5}	Na3	O8W	103.3(13)
O2	Mn1	W3	137.4(4)	O25B^{5}	Na3	O11W^{9}	114(2)
O2	Mn1	W1	135.0(3)	O25A^{10}	Na3	Na2^{9}	129.9(13)
O2	Mn1	W5	134.9(4)	O25A^{1}	Na3	O9W^{9}	120.6(16)

				^{0}			
O2	Mn1	O4	94.7(5)	O25A^{1} ^{0}	Na3	O10 W^{9}	91.1(13)
O2	Mn1	O3	96.6(5)	O7W	Na3	O9W^{9}	166.9(14)
O2	Mn1	O11	176.4(5)	O7W	Na3	O10 W^{9}	117.9(13)
O2	Mn1	O12	84.2(5)	O7W	Na3	O25B ^{5}	103.3(13)
O2	Mn1	O1	92.0(5)	O7W	Na3	O8W	60.2(14)
O1	Mn1	W6	137.8(4)	O7W	Na3	O11 W^{9}	136(2)
O1	Mn1	W4	135.9(4)	O8W	Na3	O9W^{9}	119.4(14)
O1	Mn1	W3	90.8(4)	O8W	Na3	O10 W^{9}	143.3(15)
O1	Mn1	W1	42.9(3)	O8W	Na3	O11 W^{9}	88(2)
O1	Mn1	W5	89.7(4)	O11W ^{9}	Na3	O9W^{9}	55.2(17)
O1	Mn1	O3	95.0(5)	O11W ^{9}	Na3	O10 W^{9}	69.6(19)
O1	Mn1	O11	84.8(5)	W6	Na1	W3^{5}	95.7(3)
O1	Mn1	O12	176.2(5)	W6	Na1	K3	63.0(2)
W3	K1	W3^{3}	101.41(8)	W6	Na1	K4^{5}	76.0(3)
W3	K1	W5	72.67(7)	W3^{5}	Na1	K3	70.7(2)
W5	K1	W3^{3}	142.87(11)	W3^{5}	Na1	K4^{5}	65.7(3)
O9	K1	W3^{3}	106.8(2)	K4^{5}	Na1	K3	115.0(3)
O9	K1	W3	32.0(2)	O8	Na1	W6	35.8(3)
O9	K1	W5	87.5(2)	O8	Na1	W3^{5}	116.0(6)
O9	K1	O11	55.1(3)	O8	Na1	K3	97.9(4)
O9	K1	O23	106.8(3)	O8	Na1	K4^{5}	64.1(4)
O9	K1	O15^{3}	133.9(3)	O8	Na1	O5^{5}	144.0(7)
O11	K1	W3^{3}	131.2(2)	O8	Na1	O15^{5}	87.0(5)
O11	K1	W3	37.20(18)	O8	Na1	O18	66.8(5)
O11	K1	W5	35.75(18)	O8	Na1	Na4^{5}	102.4(15)
O10	K1	W3	87.3(2)	O5^{5}	Na1	W6	111.9(5)
O10	K1	W3^{3}	166.0(2)	O5^{5}	Na1	W3^{5}	33.9(3)
O10	K1	W5	30.1(2)	O5^{5}	Na1	K3	59.1(4)
O10	K1	O9	86.5(3)	O5^{5}	Na1	K4^{5}	98.8(5)
O10	K1	O11	53.1(3)	O5^{5}	Na1	O15^{5}	64.3(5)
O10	K1	O23	53.4(3)	O5^{5}	Na1	O18	83.8(5)
O10	K1	O21	105.4(3)	O5^{5}	Na1	Na4^{5}	88.8(13)

O10	K1	O15^{3}	139.5(3)	O15^{5}	Na1	W6	76.4(4)
O23	K1	W3^{3}	116.4(2)	O15^{5}	Na1	W3^{5}	30.5(3)
O23	K1	W3	81.9(2)	O15^{5}	Na1	K3	82.8(4)
O23	K1	W5	27.5(2)	O15^{5}	Na1	K4^{5}	38.1(3)
O23	K1	O11	51.8(3)	O18	Na1	W6	31.1(3)
O23	K1	O15^{3}	102.0(3)	O18	Na1	W3^{5}	78.9(4)
O21^{3}	K1	W3^{3}	25.7(2)	O18	Na1	K3	32.3(3)
O21	K1	W3	27.9(2)	O18	Na1	K4^{5}	92.7(5)
O21^{3}	K1	W3	82.5(3)	O18	Na1	O15^{5}	73.9(5)
O21	K1	W3^{3}	79.2(2)	O18	Na1	Na4^{5}	143.4(16)
O21	K1	W5	81.2(2)	O7W	Na1	W6	120.5(9)
O21^{3}	K1	W5	148.0(3)	O7W	Na1	W3^{5}	121.0(9)
O21	K1	O9	56.2(3)	O7W	Na1	K3	85.5(9)
O21^{3}	K1	O9	81.5(3)	O7W	Na1	K4^{5}	158.8(9)
O21^{3}	K1	O11	118.4(3)	O7W	Na1	O8	120.4(10)
O21	K1	O11	52.6(3)	O7W	Na1	O5^{5}	87.4(9)
O21^{3}	K1	O10	168.0(3)	O7W	Na1	O15^{5}	151.5(9)
O21^{3}	K1	O23	130.5(3)	O7W	Na1	O18	108.1(10)
O21	K1	O23	77.1(3)	O7W	Na1	O8W	75.6(14)
O21^{3}	K1	O21	67.7(4)	O7W	Na1	Na4^{5}	107.2(17)
O21	K1	O15^{3}	97.7(3)	O8W	Na1	W6	118.9(11)
O21^{3}	K1	O15^{3}	52.5(3)	O8W	Na1	W3^{5}	127.5(11)
O24^{1}	K1	W3^{3}	90.5(3)	O8W	Na1	K3	158.9(11)
O24^{1}	K1	W3	166.0(3)	O8W	Na1	K4^{5}	84.8(11)
O24^{1}	K1	W5	93.4(3)	O8W	Na1	O8	83.7(12)
O24^{1}	K1	O9	149.7(3)	O8W	Na1	O5^{5}	128.2(12)
O24^{1}	K1	O11	128.8(3)	O8W	Na1	O15^{5}	118.3(12)
O24^{1}	K1	O10	79.6(3)	O8W	Na1	O18	148.0(12)
O24^{1}	K1	O23	86.3(3)	O8W	Na1	Na4^{5}	52.6(16)
O24^{1}	K1	O21^{3}	111.0(4)	Na4^{5}	Na1	W6	127.8(15)
O24^{1}	K1	O21	153.7(3)	Na4^{5}	Na1	W3^{5}	75.2(13)
O24^{1}	K1	O15^{3}	65.8(3)	Na4^{5}	Na1	K3	145.3(13)
O24^{1}	K1	O3W^{1}	83.1(4)	Na4^{5}	Na1	K4^{5}	53.1(15)
O15^{3}	K1	W3^{3}	27.2(2)	Na4^{5}	Na1	O15^{5}	70.6(14)
O15^{3}	K1	W3	124.0(2)	C4	O25A	Na3^{10}	113(3)
O15^{3}	K1	W5	128.9(2)	Na1	O7W	Na3	113.9(15)
O15^{3}	K1	O11	140.9(3)	Na1	O8W	Na3	109.2(18)
O3W^{1}	K1	W3^{3}	105.5(3)	Na4^{5}	O8W	Na3	122(3)

O3W[1]	K1	W3	100.5(3)	Na4[5]	O8W	Na1	68(2)
O3W[1]	K1	W5	111.6(3)	K4	Na4	W3	72.5(12)
O3W[1]	K1	O9	68.6(3)	O3	Na4	W3	35.6(6)
O3W[1]	K1	O11	106.7(3)	O3	Na4	K4	89.6(16)
O3W[1]	K1	O10	83.4(4)	Na1[4]	Na4	W3	63.2(11)
O3W[1]	K1	O23	136.7(4)	Na1[4]	Na4	K4	89.8(18)
O3W[1]	K1	O21	122.9(4)	Na1[4]	Na4	O3	93.7(15)
O3W[1]	K1	O21[3]	92.2(4)	Na1[4]	Na4	O11 W	152(3)
O3W[1]	K1	O15[3]	111.3(4)	O8W[4]	Na4	W3	122(2)
W4[7]	K3	W1[5]	94.61(9)	O8W[4]	Na4	K4	112(3)
W4[7]	K3	K1[1]	144.73(13)	O8W[4]	Na4	O3	144(3)
W4[7]	K3	K2[7]	59.40(10)	O8W[4]	Na4	Na1[4]	59.1(19)
W1[5]	K3	K1[1]	92.33(9)	O8W[4]	Na4	O11 W	93(3)
K2[7]	K3	W1[5]	58.89(10)	O11W	Na4	W3	145(3)
K2[7]	K3	K1[1]	95.98(13)	O11W	Na4	K4	98(2)
O19[5]	K3	W4[7]	80.1(3)	O11W	Na4	O3	113(3)
O19[5]	K3	W1[5]	20.2(2)	Na2	O5W	K4	82.4(12)
O19[5]	K3	K1[1]	96.1(3)	Na4	O11 W	Na3[9]	135(3)
O19[5]	K3	K2[7]	38.8(3)				

[1]−X, 1−Y, 1−Z; [2]1+X, 1+Y, +Z; [3]1−X, 1−Y, 1−Z; [4]1+X, +Y, +Z; [5]−1+X, +Y, +Z; [6]+X, −1+Y, +Z; [7]−1+X, −1+Y, +Z; [8]+X, 1+Y, +Z; [9]1−X, 2−Y, 2−Z; [10]−X, 1−Y, 2−Z

Table S10. Bond Lengths for Compound **4**.

Atom	Atom	Length/Å	Atom	Atom	Length/Å
W1	W3	3.2380(5)	K5	O23[7]	2.652(7)
W1	K1[1]	3.553(2)	K5	O19	2.953(7)
W1	O11	2.229(5)	K5	O19[7]	2.953(7)
W1	O1	2.256(7)	K5	O24[1]	2.758(7)
W1	O7	1.895(6)	K5	O24[3]	2.758(7)
W1	O5	1.935(7)	K5	O12 W[1]	2.946(8)
W1	O19	1.765(7)	K5	O12 W[3]	2.946(8)
W1	O13	1.749(6)	K2	W3[2]	3.890(2)
W3	W4	3.2195(5)	K2	W4[4]	3.668(2)
W3	Mn1	3.1843(15)	K2	O5[2]	2.877(7)

W3	K2^{2}	3.889(2)	K2	O22^{4}	2.905(7)
W3	O11	2.286(7)	K2	O15^{2}	3.158(7)
W3	O3	2.142(7)	K2	O15	2.793(7)
W3	O9	1.951(6)	K2	O16	2.824(7)
W3	O5	1.918(6)	K2	O16^{4}	3.008(7)
W3	O15	1.733(7)	K2	O3W	2.886(9)
W3	O21	1.759(7)	K2	O4W	2.825(12)
W5	W6	3.2126(5)	K2	O2W	2.922(16)
W5	Mn1	3.2375(15)	K2	Na2	4.12(2)
W5	K1^{3}	3.739(2)	K3	W2^{5}	3.761(3)
W5	K5	4.125(3)	K3	K1^{3}	4.152(4)
W5	O4	2.156(7)	K3	O8^{5}	2.906(9)
W5	O11	2.302(6)	K3	O17	2.675(7)
W5	O10	1.957(6)	K3	O13^{7}	2.947(7)
W5	O7	1.938(6)	K3	O18	3.080(8)
W5	O23	1.760(7)	K3	O1W^{3}	3.048(8)
W5	O17	1.730(7)	K3	K4	4.325(3)
W5	K4	3.732(9)	K3	O14^{5}	3.065(9)
W4	W2	3.2384(6)	K3	O6W	2.965(10)
W4	Mn1	3.1903(14)	K3	O5W	2.821(9)
W4	K1	3.752(2)	Na1	K5^{3}	3.539(4)
W4	K2^{4}	3.668(2)	Na1	K2^{4}	4.568(5)
W4	O12	2.237(6)	Na1	O22	2.414(7)
W4	O3	2.160(6)	Na1	O20	2.407(9)
W4	O9	1.944(7)	Na1	O21^{6}	2.469(7)
W4	O6	1.947(7)	Na1	O19^{6}	2.368(8)
W4	O22	1.754(6)	Na1	O24	2.460(8)
W4	O16	1.727(7)	Na1	O12 W	2.331(8)
W2	K3^{5}	3.761(3)	O2	C2	1.434(12)
W2	O12	2.226(7)	O6	Na2	2.90(2)
W2	O2	2.262(6)	O1	C1	1.402(12)
W2	O6	1.916(7)	O7	K4	2.700(12)
W2	O8	1.906(7)	O5	K2^{2}	2.877(7)
W2	O20	1.755(7)	O8	K3^{5}	2.906(8)
W2	O14	1.735(8)	O22	K2^{4}	2.905(7)
W6	Mn1	3.2205(14)	O15	K2^{2}	3.158(7)
W6	K1	3.660(2)	O23	K1^{3}	2.975(7)
W6	O4	2.136(6)	O21	Na1^{1}	2.469(7)
W6	O12	2.274(6)	O17	K1^{3}	3.179(8)

W6	O10	1.944(7)	O17	K4	3.071(10)
W6	O8	1.935(8)	O19	K1^{1}	2.657(6)
W6	O24	1.751(6)	O19	Na1^{1}	2.368(8)
W6	O18	1.746(7)	O24	K5^{3}	2.758(7)
Mn1	O4	1.905(7)	O13	K1^{1}	3.012(8)
Mn1	O11	1.898(7)	O13	K3^{7}	2.947(7)
Mn1	O12	1.940(6)	O16	K2^{4}	3.008(7)
Mn1	O3	1.880(6)	O1W	K3^{3}	3.048(8)
Mn1	O2	1.879(7)	O3W	Na2	2.799(19)
Mn1	O1	1.881(6)	O12W	K5^{3}	2.946(8)
K1	W1^{6}	3.553(2)	K4	W5^{7}	3.732(9)
K1	O12	3.299(7)	K4	K3^{7}	4.325(3)
K1	O9	2.832(6)	K4	O7^{7}	2.700(12)
K1	O10	2.669(7)	K4	O17^{7}	3.071(10)
K1	O22	3.182(8)	K4	O8W	2.957(15)
K1	O23^{3}	2.975(7)	K4	O8W^{7}	2.957(15)
K1	O17^{3}	3.179(9)	K4	O7W	2.70(2)
K1	O19^{6}	2.657(6)	O14	K3^{5}	3.065(9)
K1	O24	3.067(8)	C1	C3	1.550(15)
K1	O13^{6}	3.012(8)	C2	C3	1.506(14)
K1	O1W	2.708(7)	N1	C3	1.499(14)
K5	K1^{3}	4.040(2)	O4W	Na2	2.75(3)
K5	K1^{1}	4.040(2)	C3	C4	1.527(15)
K5	Na1^{3}	3.539(4)	Na2	O9W	2.31(3)
K5	Na1^{1}	3.539(4)	Na2	O10W	2.91(5)
K5	O23	2.652(7)			

^{1}+X, 1−Y, 1/2+Z; ^{2}2−X, +Y, 3/2−Z; ^{3}1−X, 1−Y, 1−Z; ^{4}2−X, 1−Y, 1−Z; ^{5}1−X, 2−Y, 1−Z; ^{6}+X, 1−Y, −1/2+Z; ^{7}1−X, +Y, 3/2−Z

Table S11. Bond Angles for Compound **4**.

Atom	Atom	Atom	Angle/°	Atom	Atom	Atom	Angle/°
W3	W1	K1^{1}	121.63(4)	O23	K5	O19^{7}	79.1(2)
O11	W1	W3	44.89(17)	O23	K5	O19	68.96(19)
O11	W1	K1^{1}	144.20(18)	O23^{7}	K5	O19	79.1(2)
O11	W1	O1	69.1(2)	O23^{7}	K5	O24^{1}	81.6(2)
O1	W1	W3	82.90(17)	O23^{7}	K5	O24^{3}	133.2(2)
O1	W1	K1^{1}	146.56(16)	O23	K5	O24^{1}	133.2(2)

O7	W1	W3	119.67(18)	O23	K5	O24^{3}	81.6(2)
O7	W1	K1^{1}	103.15(19)	O23	K5	O12 W^{1}	87.7(2)
O7	W1	O11	75.0(2)	O23^{7}	K5	O12 W^{3}	87.7(2)
O7	W1	O1	79.2(3)	O23	K5	O12 W^{3}	142.72(19)
O7	W1	O5	148.2(2)	O23^{7}	K5	O12 W^{1}	142.72(19)
O5	W1	W3	32.67(18)	O19^{7}	K5	K1^{1}	114.12(15)
O5	W1	K1^{1}	107.1(2)	O19	K5	K1^{3}	114.12(15)
O5	W1	O11	74.9(2)	O19^{7}	K5	K1^{3}	41.09(12)
O5	W1	O1	81.0(3)	O19	K5	K1^{1}	41.09(12)
O19	W1	W3	88.4(2)	O19^{7}	K5	Na1^{1}	163.99(19)
O19	W1	K1^{1}	46.2(2)	O19	K5	Na1^{3}	163.98(19)
O19	W1	O11	98.1(3)	O19^{7}	K5	Na1^{3}	41.56(16)
O19	W1	O1	167.1(3)	O19	K5	Na1^{1}	41.56(16)
O19	W1	O7	97.2(3)	O19^{7}	K5	O19	122.6(3)
O19	W1	O5	96.7(3)	O24^{1}	K5	K1^{3}	172.37(18)
O13	W1	W3	133.0(2)	O24^{1}	K5	K1^{1}	49.34(16)
O13	W1	K1^{1}	57.9(2)	O24^{3}	K5	K1^{3}	49.34(16)
O13	W1	O11	157.9(3)	O24^{3}	K5	K1^{1}	172.37(18)
O13	W1	O1	89.0(3)	O24^{1}	K5	Na1^{3}	120.77(18)
O13	W1	O7	103.9(3)	O24^{3}	K5	Na1^{1}	120.77(18)
O13	W1	O5	100.3(3)	O24^{1}	K5	Na1^{1}	43.85(15)
O13	W1	O19	103.9(3)	O24^{3}	K5	Na1^{3}	43.85(15)
W1	W3	K2^{2}	76.50(4)	O24^{1}	K5	O19^{7}	143.47(18)
W4	W3	W1	120.403(16)	O24^{1}	K5	O19	69.5(2)
W4	W3	K2^{2}	129.59(4)	O24^{3}	K5	O19^{7}	69.5(2)
Mn1	W3	W1	60.67(2)	O24^{3}	K5	O19	143.47(18)
Mn1	W3	W4	59.76(2)	O24^{3}	K5	O24^{1}	123.6(3)
Mn1	W3	K2^{2}	112.88(5)	O24^{3}	K5	O12 W^{1}	80.1(2)
O11	W3	W1	43.48(14)	O24^{1}	K5	O12 W^{3}	80.1(2)
O11	W3	W4	84.68(15)	O24^{1}	K5	O12 W^{1}	63.09(19)
O11	W3	Mn1	36.09(17)	O24^{3}	K5	O12 W^{3}	63.09(19)
O11	W3	K2^{2}	118.92(14)	O12 W^{1}	K5	K1^{3}	110.49(13)

O3	W3	W1	86.87(16)	O12 W^{1}	K5	K1^{1}	97.20(14)
O3	W3	W4	41.77(16)	O12 W^{3}	K5	K1^{1}	110.49(13)
O3	W3	Mn1	34.87(16)	O12 W^{3}	K5	K1^{3}	97.20(14)
O3	W3	K2^{2}	101.06(17)	O12 W^{1}	K5	Na1^{3}	117.57(19)
O3	W3	O11	70.9(2)	O12 W^{1}	K5	Na1^{1}	40.87(16)
O9	W3	W1	128.24(19)	O12 W^{3}	K5	Na1^{1}	117.57(19)
O9	W3	W4	34.2(2)	O12 W^{3}	K5	Na1^{3}	40.87(15)
O9	W3	Mn1	78.3(2)	O12 W^{3}	K5	O19^{7}	77.6(2)
O9	W3	K2^{2}	153.37(19)	O12 W^{3}	K5	O19	148.19(18)
O9	W3	O11	84.8(2)	O12 W^{1}	K5	O19	77.6(2)
O9	W3	O3	74.0(3)	O12 W^{1}	K5	O19^{7}	148.19(18)
O5	W3	W1	33.00(19)	O12 W^{3}	K5	O12 W^{1}	97.2(3)
O5	W3	W4	127.2(2)	W3^{2}	K2	Na2	114.6(3)
O5	W3	Mn1	75.9(2)	W4^{4}	K2	W3^{2}	108.46(6)
O5	W3	K2^{2}	45.1(2)	W4^{4}	K2	Na2	104.8(3)
O5	W3	O11	73.8(2)	O5^{2}	K2	W3^{2}	28.19(13)
O5	W3	O3	85.4(3)	O5^{2}	K2	W4^{4}	99.41(15)
O5	W3	O9	154.3(3)	O5^{2}	K2	O22^{4}	73.3(2)
O15	W3	W1	128.7(2)	O5^{2}	K2	O15^{2}	53.19(18)
O15	W3	W4	91.1(2)	O5^{2}	K2	O16^{4}	126.7(2)
O15	W3	Mn1	128.7(3)	O5^{2}	K2	O3W	84.1(2)
O15	W3	K2^{2}	52.8(2)	O5^{2}	K2	O2W	92.1(4)
O15	W3	O11	162.8(3)	O5^{2}	K2	Na2	92.6(3)
O15	W3	O3	94.9(3)	O22^{4}	K2	W3^{2}	80.61(13)
O15	W3	O9	101.0(3)	O22^{4}	K2	W4^{4}	28.00(12)
O15	W3	O5	95.9(3)	O22^{4}	K2	O15^{2}	96.9(2)
O15	W3	O21	104.5(4)	O22^{4}	K2	O16^{4}	55.51(18)
O21	W3	W1	85.7(2)	O22^{4}	K2	O2W	63.3(3)
O21	W3	W4	130.2(2)	O22^{4}	K2	Na2	115.4(3)

O21	W3	Mn1	126.7(2)	O15	K2	W3^{2}	99.08(14)
O21	W3	K2^{2}	95.6(2)	O15^{2}	K2	W3^{2}	25.91(13)
O21	W3	O11	90.8(3)	O15^{2}	K2	W4^{4}	121.59(16)
O21	W3	O3	159.6(3)	O15	K2	W4^{4}	126.95(18)
O21	W3	O9	96.0(3)	O15	K2	O5^{2}	123.1(2)
O21	W3	O5	98.4(3)	O15	K2	O22^{4}	137.5(2)
W6	W5	Mn1	59.91(2)	O15	K2	O15^{2}	73.5(2)
W6	W5	K1^{3}	105.76(3)	O15	K2	O16^{4}	105.7(2)
W6	W5	K5	154.86(3)	O15	K2	O16	72.0(2)
W6	W5	K4	107.97(14)	O15	K2	O3W	73.5(2)
Mn1	W5	K1^{3}	161.98(4)	O15	K2	O4W	143.1(3)
Mn1	W5	K5	126.39(3)	O15	K2	O2W	76.4(3)
Mn1	W5	K4	93.55(9)	O15	K2	Na2	103.3(3)
K1^{3}	W5	K5	61.60(3)	O15^{2}	K2	Na2	124.2(4)
O4	W5	W6	41.29(16)	O16^{4}	K2	W3^{2}	134.63(15)
O4	W5	Mn1	34.52(18)	O16	K2	W3^{2}	158.38(18)
O4	W5	K1^{3}	140.56(17)	O16	K2	W4^{4}	92.22(15)
O4	W5	K5	157.62(17)	O16^{4}	K2	W4^{4}	27.80(13)
O4	W5	O11	69.7(2)	O16	K2	O5^{2}	144.2(3)
O4	W5	K4	77.8(2)	O16	K2	O22^{4}	119.5(2)
O11	W5	W6	85.00(15)	O16	K2	O15^{2}	141.9(2)
O11	W5	Mn1	35.21(17)	O16^{4}	K2	O15^{2}	139.3(2)
O11	W5	K1^{3}	141.09(17)	O16	K2	O16^{4}	66.9(3)
O11	W5	K5	92.86(16)	O16	K2	O3W	68.8(2)
O11	W5	K4	110.28(15)	O16	K2	O4W	74.6(3)
O10	W5	W6	34.4(2)	O16	K2	O2W	123.7(4)
O10	W5	Mn1	78.7(2)	O16	K2	Na2	51.6(3)
O10	W5	K1^{3}	83.5(2)	O16^{4}	K2	Na2	96.0(4)
O10	W5	K5	120.5(2)	O3W	K2	W3^{2}	89.86(15)
O10	W5	O4	73.6(3)	O3W	K2	W4^{4}	147.56(17)
O10	W5	O11	86.0(2)	O3W	K2	O22^{4}	148.5(2)
O10	W5	K4	139.5(2)	O3W	K2	O15^{2}	86.4(2)
O7	W5	W6	126.1(2)	O3W	K2	O16^{4}	133.3(2)
O7	W5	Mn1	75.11(19)	O3W	K2	O2W	140.8(3)
O7	W5	K1^{3}	122.7(2)	O3W	K2	Na2	42.8(3)
O7	W5	K5	76.4(2)	O4W	K2	W3^{2}	106.5(2)
O7	W5	O4	84.8(3)	O4W	K2	W4^{4}	69.0(2)
O7	W5	O11	72.5(2)	O4W	K2	O5^{2}	78.3(2)
O7	W5	O10	153.8(3)	O4W	K2	O22^{4}	73.8(3)
O7	W5	K4	44.0(2)	O4W	K2	O15^{2}	130.8(2)

O23	W5	W6	129.2(2)	O4W	K2	O16^{4}	74.4(3)
O23	W5	Mn1	127.3(2)	O4W	K2	O3W	80.4(3)
O23	W5	K1^{3}	51.3(2)	O4W	K2	O2W	137.0(4)
O23	W5	K5	25.7(2)	O4W	K2	Na2	41.7(3)
O23	W5	O4	159.1(3)	O2W	K2	W3^{2}	70.8(3)
O23	W5	O11	92.6(3)	O2W	K2	W4^{4}	71.5(3)
O23	W5	O10	94.8(3)	O2W	K2	O15^{2}	61.2(3)
O23	W5	O7	100.8(3)	O2W	K2	O16^{4}	78.8(3)
O23	W5	K4	120.1(3)	O2W	K2	Na2	174.5(4)
O17	W5	W6	89.3(2)	W2^{5}	K3	K1^{3}	145.38(9)
O17	W5	Mn1	127.7(3)	W2^{5}	K3	K4	94.50(16)
O17	W5	K1^{3}	57.9(3)	K1^{3}	K3	K4	86.31(18)
O17	W5	K5	99.9(3)	O8^{5}	K3	W2^{5}	29.86(14)
O17	W5	O4	94.2(3)	O8^{5}	K3	K1^{3}	163.46(16)
O17	W5	O11	161.0(3)	O8^{5}	K3	O13^{7}	119.2(2)
O17	W5	O10	99.4(3)	O8^{5}	K3	O18	97.8(2)
O17	W5	O7	96.7(3)	O8^{5}	K3	O1W^{3}	154.4(2)
O17	W5	O23	105.0(4)	O8^{5}	K3	K4	79.6(2)
O17	W5	K4	54.5(2)	O8^{5}	K3	O14^{5}	56.7(2)
K4	W5	K1^{3}	101.82(7)	O8^{5}	K3	O6W	67.6(3)
K4	W5	K5	96.29(14)	O17	K3	W2^{5}	139.18(18)
W3	W4	W2	120.490(15)	O17	K3	K1^{3}	49.97(18)
W3	W4	K1	76.18(3)	O17	K3	O8^{5}	120.6(2)
W3	W4	K2^{4}	117.09(5)	O17	K3	O13^{7}	66.2(2)
W2	W4	K1	96.39(4)	O17	K3	O18	68.6(2)
W2	W4	K2^{4}	122.08(4)	O17	K3	O1W^{3}	66.4(2)
Mn1	W4	W3	59.57(3)	O17	K3	K4	44.8(2)
Mn1	W4	W2	60.96(3)	O17	K3	O14^{5}	140.1(2)
Mn1	W4	K1	80.42(4)	O17	K3	O6W	62.5(3)
Mn1	W4	K2^{4}	171.46(5)	O17	K3	O5W	129.1(3)
K2^{4}	W4	K1	91.17(5)	O13^{7}	K3	W2^{5}	101.61(17)
O12	W4	W3	86.87(15)	O13^{7}	K3	K1^{3}	46.48(15)
O12	W4	W2	43.34(17)	O13^{7}	K3	O18	131.6(2)
O12	W4	Mn1	36.88(14)	O13^{7}	K3	O1W^{3}	86.3(2)
O12	W4	K1	60.77(18)	O13^{7}	K3	K4	69.55(18)
O12	W4	K2^{4}	138.68(15)	O13^{7}	K3	O14^{5}	81.1(2)
O3	W4	W3	41.35(19)	O13^{7}	K3	O6W	66.5(3)
O3	W4	W2	85.75(18)	O18	K3	W2^{5}	123.90(17)
O3	W4	Mn1	34.86(16)	O18	K3	K1^{3}	90.69(16)
O3	W4	K1	101.54(17)	O18	K3	K4	89.82(14)

O3	W4	K2^{4}	148.12(17)	O1W^{3}	K3	W2^{5}	154.25(16)
O3	W4	O12	71.7(2)	O1W^{3}	K3	K1^{3}	40.67(14)
O9	W4	W3	34.32(17)	O1W^{3}	K3	O18	60.3(2)
O9	W4	W2	130.7(2)	O1W^{3}	K3	K4	111.2(2)
O9	W4	Mn1	78.3(2)	O1W^{3}	K3	O14^{5}	135.8(2)
O9	W4	K1	47.59(18)	O14^{5}	K3	W2^{5}	27.06(15)
O9	W4	K2^{4}	95.0(2)	O14^{5}	K3	K1^{3}	119.50(17)
O9	W4	O12	87.4(3)	O14^{5}	K3	O18	147.2(2)
O9	W4	O3	73.7(3)	O14^{5}	K3	K4	103.65(18)
O9	W4	O6	154.6(3)	O6W	K3	W2^{5}	76.8(2)
O6	W4	W3	125.49(18)	O6W	K3	K1^{3}	96.5(2)
O6	W4	W2	32.7(2)	O6W	K3	O18	106.1(3)
O6	W4	Mn1	76.48(19)	O6W	K3	O1W^{3}	128.3(3)
O6	W4	K1	128.8(2)	O6W	K3	O14^{5}	84.3(3)
O6	W4	K2^{4}	110.40(19)	O5W	K3	W2^{5}	89.2(2)
O6	W4	O12	73.8(3)	O5W	K3	K1^{3}	82.0(2)
O6	W4	O3	84.2(3)	O5W	K3	O8^{5}	110.0(2)
O22	W4	W3	129.5(2)	O5W	K3	O13^{7}	94.6(2)
O22	W4	W2	86.4(2)	O5W	K3	O18	100.9(2)
O22	W4	Mn1	123.8(2)	O5W	K3	O1W^{3}	65.6(2)
O22	W4	K1	57.7(2)	O5W	K3	K4	164.2(2)
O22	W4	K2^{4}	51.0(2)	O5W	K3	O14^{5}	73.4(2)
O22	W4	O12	87.6(3)	O5W	K3	O6W	153.0(3)
O22	W4	O3	156.7(3)	K1	Na1	K2^{4}	79.29(9)
O22	W4	O9	95.3(3)	K5^{3}	Na1	K1	68.18(9)
O22	W4	O6	100.7(3)	K5^{3}	Na1	K2^{4}	135.08(13)
O16	W4	W3	91.6(2)	O22	Na1	K1	58.87(19)
O16	W4	W2	127.6(3)	O22	Na1	K5^{3}	127.0(2)
O16	W4	Mn1	131.5(2)	O22	Na1	K2^{4}	34.12(17)
O16	W4	K1	133.2(3)	O22	Na1	O21^{6}	104.9(3)
O16	W4	K2^{4}	54.3(2)	O22	Na1	O24	96.9(2)
O16	W4	O12	165.0(3)	O20	Na1	K1	110.81(19)
O16	W4	O3	97.5(3)	O20	Na1	K5^{3}	123.2(2)
O16	W4	O9	99.7(3)	O20	Na1	K2^{4}	96.5(2)
O16	W4	O6	95.2(4)	O20	Na1	O22	79.9(3)
O16	W4	O22	104.7(3)	O20	Na1	O21^{6}	121.6(3)
W4	W2	K3^{5}	155.62(5)	O20	Na1	O24	80.4(3)
O12	W2	W4	43.61(16)	O21^{6}	Na1	K1	121.3(2)
O12	W2	K3^{5}	117.18(17)	O21^{6}	Na1	K5^{3}	100.2(2)
O12	W2	O2	69.5(2)	O21^{6}	Na1	K2^{4}	70.85(18)

O2	W2	W4	82.74(18)	O19^{6}	Na1	K1	46.31(16)
O2	W2	K3^{5}	74.86(18)	O19^{6}	Na1	K5^{3}	55.84(19)
O6	W2	W4	33.3(2)	O19^{6}	Na1	K2^{4}	79.34(19)
O6	W2	K3^{5}	146.6(2)	O19^{6}	Na1	O22	84.5(3)
O6	W2	O12	74.6(2)	O19^{6}	Na1	O20	157.1(3)
O6	W2	O2	81.6(3)	O19^{6}	Na1	O21^{6}	78.6(3)
O8	W2	W4	117.8(2)	O19^{6}	Na1	O24	84.9(3)
O8	W2	K3^{5}	49.4(2)	O24	Na1	K1	55.99(19)
O8	W2	O12	74.5(3)	O24	Na1	K5^{3}	50.94(17)
O8	W2	O2	80.3(3)	O24	Na1	K2^{4}	129.30(19)
O8	W2	O6	148.1(3)	O24	Na1	O21^{6}	151.0(3)
O20	W2	W4	88.1(3)	O12 W	Na1	K1	122.2(2)
O20	W2	K3^{5}	112.4(3)	O12 W	Na1	K5^{3}	55.8(2)
O20	W2	O12	98.0(3)	O12 W	Na1	K2^{4}	153.5(2)
O20	W2	O2	167.5(3)	O12 W	Na1	O22	169.2(3)
O20	W2	O6	95.3(3)	O12 W	Na1	O20	90.1(3)
O20	W2	O8	96.7(3)	O12 W	Na1	O21^{6}	83.8(3)
O14	W2	W4	136.0(3)	O12 W	Na1	O19^{6}	103.7(3)
O14	W2	K3^{5}	53.5(3)	O12 W	Na1	O24	77.1(3)
O14	W2	O12	157.1(3)	W6	O4	W5	96.9(3)
O14	W2	O2	87.6(3)	Mn1	O4	W5	105.6(3)
O14	W2	O6	102.8(3)	Mn1	O4	W6	105.6(3)
O14	W2	O8	102.5(4)	W1	O11	W3	91.6(2)
O14	W2	O20	104.9(3)	W1	O11	W5	91.5(2)
W5	W6	Mn1	60.43(3)	W3	O11	W5	159.3(3)
W5	W6	K1	74.47(3)	Mn1	O11	W1	103.4(3)
Mn1	W6	K1	81.47(4)	Mn1	O11	W3	98.7(3)
O4	W6	W5	41.8(2)	Mn1	O11	W5	100.4(3)
O4	W6	Mn1	34.73(18)	W4	O12	W6	158.7(3)
O4	W6	K1	100.9(2)	W4	O12	K1	83.0(2)
O4	W6	O12	71.2(2)	W2	O12	W4	93.0(2)
O12	W6	W5	86.83(15)	W2	O12	W6	92.6(2)
O12	W6	Mn1	36.48(14)	W2	O12	K1	141.1(2)

O12	W6	K1	62.51(18)	W6	O12	K1	79.79(18)
O10	W6	W5	34.67(19)	Mn1	O12	W4	99.3(2)
O10	W6	Mn1	79.28(19)	Mn1	O12	W2	102.8(3)
O10	W6	K1	45.1(2)	Mn1	O12	W6	99.4(3)
O10	W6	O4	74.3(3)	Mn1	O12	K1	116.0(3)
O10	W6	O12	87.3(3)	W3	O3	W4	96.9(3)
O8	W6	W5	127.09(19)	Mn1	O3	W3	104.5(3)
O8	W6	Mn1	76.1(2)	Mn1	O3	W4	104.1(3)
O8	W6	K1	129.4(2)	Mn1	O2	W2	103.5(3)
O8	W6	O4	85.3(3)	C2	O2	W2	120.3(5)
O8	W6	O12	72.8(3)	C2	O2	Mn1	116.3(6)
O8	W6	O10	155.3(3)	W3	O9	K1	128.3(3)
O24	W6	W5	127.5(2)	W4	O9	W3	111.5(3)
O24	W6	Mn1	122.4(2)	W4	O9	K1	102.0(2)
O24	W6	K1	56.6(2)	W5	O10	K1	128.3(3)
O24	W6	O4	154.7(3)	W6	O10	W5	110.9(3)
O24	W6	O12	86.7(3)	W6	O10	K1	103.9(3)
O24	W6	O10	93.0(3)	W4	O6	Na2	108.9(6)
O24	W6	O8	100.1(3)	W2	O6	W4	113.9(3)
O18	W6	W5	92.2(2)	W2	O6	Na2	137.0(6)
O18	W6	Mn1	131.8(2)	Mn1	O1	W1	102.9(3)
O18	W6	K1	131.8(3)	C1	O1	W1	118.8(5)
O18	W6	O4	98.1(3)	C1	O1	Mn1	120.1(6)
O18	W6	O12	164.6(3)	W1	O7	W5	115.8(3)
O18	W6	O10	100.6(3)	W1	O7	K4	136.5(3)
O18	W6	O8	95.8(3)	W5	O7	K4	106.0(3)
O18	W6	O24	105.8(3)	W1	O5	$K2^{2}$	133.8(3)
W3	Mn1	W5	89.32(4)	W3	O5	W1	114.3(3)
W3	Mn1	W4	60.67(3)	W3	O5	$K2^{2}$	106.7(3)
W3	Mn1	W6	119.03(5)	W2	O8	W6	115.8(4)
W4	Mn1	W5	117.64(5)	W2	O8	$K3^{5}$	100.8(3)
W4	Mn1	W6	87.51(3)	W6	O8	$K3^{5}$	141.6(3)
W6	Mn1	W5	59.66(3)	W4	O22	K1	94.5(3)
O4	Mn1	W3	128.6(2)	W4	O22	$K2^{4}$	101.0(3)
O4	Mn1	W5	39.9(2)	W4	O22	Na1	137.1(4)
O4	Mn1	W4	126.64(19)	$K2^{4}$	O22	K1	121.1(3)
O4	Mn1	W6	39.70(18)	Na1	O22	K1	80.6(2)
O4	Mn1	O12	83.9(3)	Na1	O22	$K2^{4}$	118.1(3)
O11	Mn1	W3	45.2(2)	W3	O15	$K2^{2}$	101.3(3)
O11	Mn1	W5	44.4(2)	W3	O15	K2	142.0(4)

O11	Mn1	W4	92.11(19)	K2	O15	K2^{2}	103.5(2)
O11	Mn1	W6	91.68(19)	W5	O23	K1^{3}	101.2(3)
O11	Mn1	O4	84.2(3)	W5	O23	K5	137.6(3)
O11	Mn1	O12	97.5(3)	K5	O23	K1^{3}	91.6(2)
O12	Mn1	W3	93.1(2)	W2	O20	Na1	128.5(4)
O12	Mn1	W5	92.00(19)	W3	O21	Na1^{1}	131.1(3)
O12	Mn1	W4	43.78(19)	W5	O17	K1^{3}	94.6(3)
O12	Mn1	W6	44.17(18)	W5	O17	K3	152.2(3)
O3	Mn1	W3	40.6(2)	W5	O17	K4	98.2(3)
O3	Mn1	W5	129.3(2)	K3	O17	K1^{3}	89.9(2)
O3	Mn1	W4	41.05(18)	K3	O17	K4	97.4(3)
O3	Mn1	W6	128.17(19)	K4	O17	K1^{3}	136.2(3)
O3	Mn1	O4	163.8(3)	W1	O19	K1^{1}	105.1(3)
O3	Mn1	O11	85.8(3)	W1	O19	K5	135.6(3)
O3	Mn1	O12	84.8(3)	W1	O19	Na1^{1}	135.1(4)
O3	Mn1	O1	98.3(3)	K1^{1}	O19	K5	91.99(19)
O2	Mn1	W3	136.5(2)	Na1^{1}	O19	K1^{1}	93.6(2)
O2	Mn1	W5	134.1(2)	Na1^{1}	O19	K5	82.6(2)
O2	Mn1	W4	90.2(2)	W6	O24	K1	94.9(3)
O2	Mn1	W6	88.4(2)	W6	O24	K5^{3}	137.6(3)
O2	Mn1	O4	94.3(3)	W6	O24	Na1	137.1(4)
O2	Mn1	O11	177.7(3)	K5^{3}	O24	K1	87.7(2)
O2	Mn1	O12	84.1(3)	Na1	O24	K1	82.3(2)
O2	Mn1	O3	96.0(3)	Na1	O24	K5^{3}	85.2(2)
O2	Mn1	O1	93.7(3)	W1	O13	K1^{1}	92.7(3)
O1	Mn1	W3	90.4(2)	W1	O13	K3^{7}	147.3(3)
O1	Mn1	W5	87.4(2)	K3^{7}	O13	K1^{1}	88.33(18)
O1	Mn1	W4	139.3(2)	W6	O18	K3	137.3(3)
O1	Mn1	W6	133.0(2)	W4	O16	K2	140.0(3)
O1	Mn1	O4	93.5(3)	W4	O16	K2^{4}	97.9(3)
O1	Mn1	O11	84.6(3)	K2	O16	K2^{4}	113.1(3)
O1	Mn1	O12	176.4(3)	K1	O1W	K3^{3}	92.2(2)
W1^{6}	K1	W6	125.76(6)	Na2	O3W	K2	92.8(6)
O12	K1	W1^{6}	120.92(12)	Na1	O12 W	K5^{3}	83.3(3)
O12	K1	W6	37.70(11)	W5	K4	W5^{7}	88.8(3)
O9	K1	W1^{6}	107.60(14)	W5	K4	K3	63.71(8)
O9	K1	W6	91.55(16)	W5^{7}	K4	K3^{7}	63.71(8)
O9	K1	O12	55.76(18)	W5^{7}	K4	K3	110.2(2)
O9	K1	O22	53.72(18)	W5	K4	K3^{7}	110.2(2)

O9	K1	O23^{3}	163.7(2)	K3^{7}	K4	K3	172.1(3)
O9	K1	O17^{3}	131.4(2)	O7^{7}	K4	W5^{7}	29.94(15)
O9	K1	O24	106.3(2)	O7^{7}	K4	W5	75.9(3)
O9	K1	O13^{6}	92.34(19)	O7	K4	W5^{7}	75.9(3)
O10	K1	W1^{6}	148.68(15)	O7	K4	W5	29.94(15)
O10	K1	W6	31.03(15)	O7	K4	K3^{7}	80.24(17)
O10	K1	O12	57.44(19)	O7	K4	K3	93.6(2)
O10	K1	O9	96.1(2)	O7^{7}	K4	K3	80.24(17)
O10	K1	O22	107.1(2)	O7^{7}	K4	K3^{7}	93.6(2)
O10	K1	O23^{3}	69.2(2)	O7^{7}	K4	O7	77.9(5)
O10	K1	O17^{3}	110.9(2)	O7	K4	O17^{7}	68.5(3)
O10	K1	O24	55.24(18)	O7^{7}	K4	O17^{7}	56.4(3)
O10	K1	O13^{6}	170.3(2)	O7^{7}	K4	O17	68.5(3)
O10	K1	O1W	85.3(2)	O7	K4	O17	56.4(3)
O22	K1	W1^{6}	73.18(13)	O7^{7}	K4	O8W^{7}	82.4(3)
O22	K1	W6	79.70(14)	O7	K4	O8W	82.4(3)
O22	K1	O12	50.86(17)	O7	K4	O8W^{7}	147.7(4)
O23^{3}	K1	W1^{6}	88.65(14)	O7^{7}	K4	O8W	147.7(4)
O23^{3}	K1	W6	79.34(15)	O17	K4	W5	27.31(15)
O23^{3}	K1	O12	116.96(19)	O17	K4	W5^{7}	92.5(3)
O23^{3}	K1	O22	135.85(19)	O17^{7}	K4	W5^{7}	27.31(15)
O23^{3}	K1	O17^{3}	53.3(2)	O17^{7}	K4	W5	92.5(3)
O23^{3}	K1	O24	71.6(2)	O17^{7}	K4	K3	135.1(3)
O23^{3}	K1	O13^{6}	101.8(2)	O17	K4	K3^{7}	135.1(3)
O17^{3}	K1	W1^{6}	68.02(12)	O17^{7}	K4	K3^{7}	37.84(14)
O17^{3}	K1	W6	131.71(14)	O17	K4	K3	37.84(14)
O17^{3}	K1	O12	168.30(18)	O17	K4	O17^{7}	107.4(5)
O17^{3}	K1	O22	140.03(18)	O8W	K4	W5^{7}	157.7(4)
O19^{6}	K1	W1^{6}	28.67(15)	O8W	K4	W5	74.3(2)
O19^{6}	K1	W6	97.29(17)	O8W^{7}	K4	W5^{7}	74.3(2)
O19^{6}	K1	O12	101.6(2)	O8W^{7}	K4	W5	157.7(4)
O19^{6}	K1	O9	116.2(2)	O8W	K4	K3^{7}	108.1(2)
O19^{6}	K1	O10	121.5(2)	O8W	K4	K3	75.69(19)
O19^{6}	K1	O22	66.11(19)	O8W^{7}	K4	K3^{7}	75.69(19)
O19^{6}	K1	O23^{3}	78.6(2)	O8W^{7}	K4	K3	108.1(2)
O19^{6}	K1	O17^{3}	83.5(2)	O8W^{7}	K4	O17	136.7(3)
O19^{6}	K1	O24	69.0(2)	O8W^{7}	K4	O17^{7}	79.3(2)
O19^{6}	K1	O13^{6}	58.1(2)	O8W	K4	O17	79.3(2)
O19^{6}	K1	O1W	144.6(2)	O8W	K4	O17^{7}	136.7(3)
O24	K1	W1^{6}	97.60(13)	O8W	K4	O8W^{7}	125.5(6)

O24	K1	W6	28.46(12)	O7W	K4	W5	135.58(14)
O24	K1	O12	51.82(16)	O7W	K4	W5^{7}	135.58(14)
O24	K1	O22	71.43(19)	O7W	K4	K3	93.94(17)
O24	K1	O17^{3}	122.34(19)	O7W	K4	K3^{7}	93.94(17)
O13^{6}	K1	W1^{6}	29.46(12)	O7W	K4	O7	141.0(2)
O13^{6}	K1	W6	153.85(14)	O7W	K4	O7^{7}	141.0(2)
O13^{6}	K1	O12	132.06(18)	O7W	K4	O17^{7}	126.3(2)
O13^{6}	K1	O22	81.87(19)	O7W	K4	O17	126.3(2)
O13^{6}	K1	O17^{3}	59.55(18)	O7W	K4	O8W^{7}	62.7(3)
O13^{6}	K1	O24	126.68(18)	O7W	K4	O8W	62.7(3)
O1W	K1	W1^{6}	118.49(17)	W2	O14	K3^{5}	99.4(3)
O1W	K1	W6	114.66(17)	O1	C1	C3	112.8(8)
O1W	K1	O12	112.97(19)	O2	C2	C3	111.8(8)
O1W	K1	O9	79.4(2)	Na2	O4W	K2	95.2(5)
O1W	K1	O22	132.0(2)	C2	C3	C1	112.2(10)
O1W	K1	O23^{3}	92.1(2)	C2	C3	C4	110.4(9)
O1W	K1	O17^{3}	64.12(19)	N1	C3	C1	108.6(9)
O1W	K1	O24	140.3(2)	N1	C3	C2	109.5(9)
O1W	K1	O13^{6}	91.5(2)	N1	C3	C4	108.5(10)
K1^{1}	K5	K1^{3}	137.86(11)	C4	C3	C1	107.5(9)
Na1^{1}	K5	K1^{3}	134.27(7)	O6	Na2	K2	90.8(6)
Na1^{1}	K5	K1^{1}	57.42(7)	O6	Na2	O10W	80.7(10)
Na1^{3}	K5	K1^{3}	57.42(7)	O3W	Na2	K2	44.4(4)
Na1^{3}	K5	K1^{1}	134.27(7)	O3W	Na2	O6	80.8(5)
Na1^{3}	K5	Na1^{1}	154.36(18)	O3W	Na2	O10W	120.4(12)
O23	K5	K1^{1}	105.45(17)	O4W	Na2	K2	43.1(4)
O23^{7}	K5	K1^{1}	47.40(15)	O4W	Na2	O6	120.5(10)
O23	K5	K1^{3}	47.40(15)	O4W	Na2	O3W	83.2(6)
O23^{7}	K5	K1^{3}	105.45(17)	O4W	Na2	O10W	152.0(12)
O23	K5	Na1^{1}	89.93(16)	O9W	Na2	K2	96.2(10)
O23	K5	Na1^{3}	104.75(16)	O9W	Na2	O6	90.1(9)
O23^{7}	K5	Na1^{1}	104.75(16)	O9W	Na2	O3W	138.9(13)
O23^{7}	K5	Na1^{3}	89.93(16)	O9W	Na2	O4W	67.1(9)
O23^{7}	K5	O23	110.4(3)	O9W	Na2	O10W	97.1(12)
O23^{7}	K5	O19^{7}	68.96(19)	O10W	Na2	K2	164.2(11)

[1]+X, 1−Y, 1/2+Z; [2]2−X, +Y, 3/2−Z; [3]1−X, 1−Y, 1−Z; [4]2−X, 1−Y, 1−Z; [5]1−X, 2−Y, 1−Z; [6]+X, 1−Y, −1/2+Z; [7]1−X, +Y, 3/2−Z

Table S12. Bond Lengths for Compound **Ag-2**.

Atom	Atom	Length/Å	Atom	Atom	Length/Å
Mn1	W4	3.160(2)	K1	O24[4]	2.763(12)
Mn1	W3	3.150(2)	K1	Na1[8]	4.01(4)
Mn1	W6	3.2120(18)	K2	W6[9]	3.976(4)
Mn1	W5	3.1822(19)	K2	W5[5]	3.991(4)
Mn1	O3	1.869(9)	K2	O18[9]	2.731(11)
Mn1	O11	1.915(8)	K2	O23[5]	2.680(9)
Mn1	O12	1.910(9)	K2	O5	3.269(10)
Mn1	O1	1.903(8)	K2	O21	2.804(10)
Mn1	O4	1.917(10)	K2	O7W[9]	3.092(12)
Mn1	O2	1.891(8)	K2	O19	3.040(12)
W4	W3	3.1960(8)	K2	O5W	2.726(11)
W4	K3[1]	3.686(3)	K2	O3W	2.762(16)
W4	K1	3.725(3)	K4A	O15[6]	2.757(18)
W4	O3	2.159(8)	K4A	O7	2.744(18)
W4	O12	2.206(9)	K4A	O17	2.999(17)
W4	O9	1.952(9)	K4A	O16[6]	2.951(16)
W4	O22	1.744(9)	K4A	O1W[5]	2.848(18)
W4	O6	1.963(8)	K4A	O11W	2.66(2)
W4	O16	1.744(10)	K4A	O13W	3.02(3)
W4	K4B[1]	4.09(2)	K4A	O9W	3.03(4)
W3	K2	3.730(4)	K4A	O17W	2.74(5)
W3	O3	2.149(8)	O3	Na3[1]	2.88(3)
W3	O11	2.186(9)	O10	K3[2]	2.968(8)
W3	O9	1.918(9)	O22	K3[1]	2.779(10)
W3	O15	1.742(11)	O22	K1[4]	2.745(10)
W3	O5	1.977(9)	O18	K2[3]	2.731(11)
W3	O21	1.747(10)	O15	K4A[1]	2.757(18)
W6	W5	3.1874(8)	O15	Na2[1]	2.281(14)
W6	K3[2]	3.798(3)	O15	Na3[1]	2.88(2)
W6	K2[3]	3.976(4)	O15	K4B[1]	2.73(3)
W6	O12	2.256(9)	O15	Na1	2.60(4)
W6	O10	1.945(9)	O7	K4B	2.75(3)
W6	O18	1.725(11)	O1	C1	1.424(13)
W6	O4	2.187(8)	O17	K4B	3.03(3)
W6	O8	1.963(8)	O23	K2[5]	2.680(9)

W6	O24	1.735(11)	O2	C2	1.448(13)
W2	K1^{4}	4.083(3)	O14	Na3^{7}	2.56(2)
W2	O12	2.234(9)	O7W	K1^{2}	2.857(12)
W2	O6	1.914(9)	O7W	K2^{3}	3.092(12)
W2	O8	1.929(8)	O16	K3^{1}	3.152(10)
W2	O2	2.259(8)	O16	K4A^{1}	2.951(16)
W2	O14	1.724(9)	O16	Na3^{1}	2.95(3)
W2	O20	1.773(12)	O16	K4B^{1}	2.61(3)
W2	Na1^{3}	3.65(4)	O20	K1^{4}	2.724(11)
W5	K2^{5}	3.991(4)	O20	Na1^{3}	2.67(4)
W5	K4A	3.720(15)	O25	K3^{7}	2.774(10)
W5	O11	2.283(9)	O25	C4	1.419(17)
W5	O10	1.951(8)	Na2	O15^{6}	2.281(14)
W5	O7	1.958(10)	Na2	Na2^{10}	3.939(19)
W5	O4	2.110(9)	Na2	O6W^{6}	2.95(3)
W5	O17	1.725(11)	Na2	O15W	2.40(3)
W5	O23	1.780(9)	Na2	O8W	2.29(4)
W5	K4B	3.80(2)	Na2	O12W	2.48(6)
W1	K2	4.061(4)	Na2	O14W	2.23(3)
W1	O11	2.223(7)	Na2	O14W^{10}	1.73(3)
W1	O7	1.916(10)	O1W	K4A^{5}	2.848(18)
W1	O1	2.257(8)	O1W	K4B^{5}	3.34(3)
W1	O13	1.737(9)	N1	C3	1.517(18)
W1	O5	1.904(10)	C2	C3	1.511(18)
W1	O19	1.778(9)	C1	C3	1.504(18)
Ag1	K2^{5}	3.602(3)	C3	C4	1.533(16)
Ag1	K2	3.602(3)	O11W	K1^{6}	3.011(16)
Ag1	O23^{5}	2.266(9)	O6W	Na2^{1}	2.95(3)
Ag1	O23	2.266(9)	O24	K3^{2}	2.933(9)
Ag1	O21^{5}	2.508(10)	O24	K1^{4}	2.763(12)
Ag1	O21	2.508(10)	O10W	Na3	2.43(6)
K3	W4^{6}	3.686(3)	O10W	K4B	2.79(7)
K3	W6^{2}	3.798(3)	Na3	O3^{6}	2.88(3)
K3	K1^{2}	4.214(4)	Na3	O15^{6}	2.88(2)
K3	K2^{3}	4.054(5)	Na3	O14^{7}	2.56(2)
K3	O10^{2}	2.968(8)	Na3	O16^{6}	2.95(3)
K3	O22^{6}	2.779(10)	Na3	K4B	3.17(3)

K3	O18	2.734(11)	K4B	W4^{6}	4.09(2)
K3	O17	2.716(10)	K4B	O15^{6}	2.73(3)
K3	O7W	2.745(10)	K4B	O16^{6}	2.61(3)
K3	O16^{6}	3.152(10)	K4B	O1W^{5}	3.34(3)
K3	O25^{7}	2.774(10)	K4B	Na1^{6}	3.53(5)
K3	O24^{2}	2.933(9)	K4B	O16W	2.43(6)
K1	W2^{4}	4.083(3)	Na1	W2^{9}	3.65(4)
K1	K3^{2}	4.214(4)	Na1	K1^{8}	4.01(4)
K1	O9	2.674(9)	Na1	O20^{9}	2.67(4)
K1	O22^{4}	2.745(10)	Na1	K4B^{1}	3.53(5)
K1	O22	2.996(10)	Na1	O2W	2.75(6)
K1	O7W^{2}	2.857(12)	Na1	O16W^{1}	2.36(7)
K1	O20^{4}	2.724(11)	Na1	O14W	Na2^{10} 1.73(3)
K1	O1W	2.944(14)	Na1	O14W	O14W^{10} 0.63(5)
K1	O11W^{1}	3.011(16)	Na1	O16W	Na1^{6} 2.36(7)

^{1}−1+X, +Y, +Z; ^{2}2−X, 2−Y, 1−Z; ^{3}+X, 1+Y, +Z; ^{4}1−X, 2−Y, 1−Z; ^{5}2−X, 1−Y, 1−Z; ^{6}1+X, +Y, +Z; ^{7}2−X, 2−Y, −Z; ^{8}1−X, 1−Y, 1−Z; ^{9}+X, −1+Y, +Z; ^{10}3−X, 1−Y, −Z

Table S13. Bond Angles for Compound **Ag-2**.

Atom	Atom	Atom	Angle/°	Atom	Atom	Atom	Angle/°
W4	Mn1	W6	86.30(5)	O7W^{2}	K1	W2^{4}	102.2(2)
W4	Mn1	W5	115.93(5)	O7W^{2}	K1	K3^{2}	40.2(2)
W3	Mn1	W4	60.87(4)	O7W^{2}	K1	O22	108.5(3)
W3	Mn1	W6	117.76(5)	O7W^{2}	K1	O1W	70.2(3)
W3	Mn1	W5	87.59(5)	O7W^{2}	K1	O11W^{1}	132.9(3)
W5	Mn1	W6	59.80(3)	O7W^{2}	K1	Na1^{8}	112.1(6)
O3	Mn1	W4	41.7(2)	O20^{4}	K1	W4	165.3(3)
O3	Mn1	W3	41.7(3)	O20^{4}	K1	W2^{4}	19.6(3)
O3	Mn1	W6	127.7(3)	O20^{4}	K1	K3^{2}	89.2(2)
O3	Mn1	W5	128.6(3)	O20^{4}	K1	O22^{4}	76.1(3)
O3	Mn1	O11	84.8(4)	O20^{4}	K1	O22	139.7(3)
O3	Mn1	O12	85.1(4)	O20^{4}	K1	O7W^{2}	93.0(3)
O3	Mn1	O1	96.3(4)	O20^{4}	K1	O1W	81.5(4)
O3	Mn1	O4	164.6(4)	O20^{4}	K1	O11	100.7(4)

						W^{1}	
O3	Mn1	O2	95.0(4)	O20^{4}	K1	O24^{4}	72.8(3)
O11	Mn1	W4	92.1(3)	O20^{4}	K1	Na1^{8}	41.4(6)
O11	Mn1	W3	43.1(3)	O1W	K1	W4	110.0(3)
O11	Mn1	W6	93.8(2)	O1W	K1	W2^{4}	100.9(3)
O11	Mn1	W5	45.2(3)	O1W	K1	K3^{2}	109.2(3)
O11	Mn1	O4	85.2(4)	O1W	K1	O22	137.4(3)
O12	Mn1	W4	43.4(3)	O1W	K1	O11 W^{1}	67.7(4)
O12	Mn1	W3	93.8(3)	O1W	K1	Na1^{8}	58.6(6)
O12	Mn1	W6	43.7(3)	O11W^{1}	K1	W4	76.4(4)
O12	Mn1	W5	92.3(3)	O11W^{1}	K1	W2^{4}	105.5(3)
O12	Mn1	O11	100.7(4)	O11W^{1}	K1	K3^{2}	168.8(3)
O12	Mn1	O4	85.3(4)	O24^{4}	K1	W4	93.22(19)
O1	Mn1	W4	138.0(3)	O24^{4}	K1	W2^{4}	60.71(18)
O1	Mn1	W3	90.0(3)	O24^{4}	K1	K3^{2}	125.4(2)
O1	Mn1	W6	135.6(3)	O24^{4}	K1	O22	77.4(3)
O1	Mn1	W5	90.1(3)	O24^{4}	K1	O7W^{2}	161.4(3)
O1	Mn1	O11	83.6(3)	O24^{4}	K1	O1W	118.0(4)
O1	Mn1	O12	175.6(4)	O24^{4}	K1	O11 W^{1}	63.4(3)
O1	Mn1	O4	94.2(4)	O24^{4}	K1	Na1^{8}	65.1(6)
O4	Mn1	W4	127.2(3)	Na1^{8}	K1	W2^{4}	53.6(5)
O4	Mn1	W3	127.3(3)	Na1^{8}	K1	K3^{2}	127.9(6)
O4	Mn1	W6	41.6(3)	W3	K2	W6^{9}	136.92(12)
O4	Mn1	W5	40.0(3)	W3	K2	W5^{5}	110.61(9)
O2	Mn1	W4	90.7(3)	W6^{9}	K2	W5^{5}	83.48(8)
O2	Mn1	W3	136.5(3)	Ag1	K2	W3	64.44(6)
O2	Mn1	W6	89.9(2)	Ag1	K2	W6^{9}	143.34(11)
O2	Mn1	W5	135.9(3)	Ag1	K2	W5^{5}	59.87(5)
O2	Mn1	O11	175.5(3)	O18^{9}	K2	W3	157.7(3)
O2	Mn1	O12	83.8(4)	O18^{9}	K2	W6^{9}	20.9(2)
O2	Mn1	O1	91.9(4)	O18^{9}	K2	W5^{5}	77.0(2)
O2	Mn1	O4	95.9(4)	O18^{9}	K2	Ag1	133.0(2)
Mn1	W4	W3	59.40(4)	O18^{9}	K2	O5	148.0(3)
Mn1	W4	K3^{1}	168.38(6)	O18^{9}	K2	O21	153.0(3)
Mn1	W4	K1	109.54(6)	O18^{9}	K2	O7W^{9}	83.8(3)
Mn1	W4	K4B^{1}	118.6(3)	O18^{9}	K2	O19	135.2(3)

W3	W4	K3^{1}	131.57(5)	O18^{9}	K2	O3W	87.3(4)
W3	W4	K1	77.32(5)	O23^{5}	K2	W3	92.7(2)
W3	W4	K4B^{1}	68.1(3)	O23^{5}	K2	W6^{9}	104.5(2)
K3^{1}	W4	K1	73.03(6)	O23^{5}	K2	W5^{5}	21.2(2)
K3^{1}	W4	K4B^{1}	72.5(3)	O23^{5}	K2	Ag1	38.9(2)
K1	W4	K4B^{1}	86.2(4)	O23^{5}	K2	O18^{9}	97.8(3)
O3	W4	Mn1	35.2(2)	O23^{5}	K2	O5	113.9(3)
O3	W4	W3	42.0(2)	O23^{5}	K2	O21	66.4(3)
O3	W4	K3^{1}	154.2(2)	O23^{5}	K2	O7W^{9}	63.6(3)
O3	W4	K1	117.3(2)	O23^{5}	K2	O19	81.2(3)
O3	W4	O12	71.7(3)	O23^{5}	K2	O5W	172.6(3)
O3	W4	K4B^{1}	84.2(4)	O23^{5}	K2	O3W	108.0(4)
O12	W4	Mn1	36.5(2)	O5	K2	W3	31.97(16)
O12	W4	W3	87.1(2)	O5	K2	W6^{9}	138.90(19)
O12	W4	K3^{1}	132.9(2)	O5	K2	W5^{5}	134.91(17)
O12	W4	K1	96.1(2)	O5	K2	Ag1	76.46(16)
O12	W4	K4B^{1}	154.0(4)	O21	K2	W3	26.5(2)
O9	W4	Mn1	78.0(3)	O21	K2	W6^{9}	138.6(3)
O9	W4	W3	34.0(2)	O21	K2	W5^{5}	84.2(2)
O9	W4	K3^{1}	109.5(3)	O21	K2	Ag1	43.9(2)
O9	W4	K1	43.6(3)	O21	K2	O5	54.6(3)
O9	W4	O3	74.1(3)	O21	K2	O7W^{9}	106.1(3)
O9	W4	O12	88.2(4)	O21	K2	O19	66.4(3)
O9	W4	O6	155.9(4)	O7W^{9}	K2	W3	118.5(2)
O9	W4	K4B^{1}	75.6(5)	O7W^{9}	K2	W6^{9}	104.5(2)
O22	W4	Mn1	125.9(3)	O7W^{9}	K2	W5^{5}	65.78(19)
O22	W4	W3	129.0(3)	O7W^{9}	K2	Ag1	63.0(2)
O22	W4	K3^{1}	46.2(3)	O7W^{9}	K2	O5	105.3(3)
O22	W4	K1	52.3(3)	O19	K2	W3	65.8(2)
O22	W4	O3	159.1(4)	O19	K2	W6^{9}	154.8(2)
O22	W4	O12	90.5(4)	O19	K2	W5^{5}	98.93(19)
O22	W4	O9	95.1(4)	O19	K2	Ag1	46.41(18)
O22	W4	O6	100.2(4)	O19	K2	O5	51.1(3)
O22	W4	O16	103.9(5)	O19	K2	O7W^{9}	55.5(3)
O22	W4	K4B^{1}	110.8(5)	O5W	K2	W3	94.7(3)
O6	W4	Mn1	78.0(3)	O5W	K2	W6^{9}	69.8(3)
O6	W4	W3	127.2(2)	O5W	K2	W5^{5}	152.2(3)
O6	W4	K3^{1}	94.5(3)	O5W	K2	Ag1	146.5(3)
O6	W4	K1	151.2(2)	O5W	K2	O18^{9}	75.2(3)
O6	W4	O3	85.3(3)	O5W	K2	O5	72.9(3)

O6	W4	O12	73.2(4)	O5W	K2	O21	121.0(3)
O6	W4	K4B^{1}	115.3(5)	O5W	K2	O7W^{9}	112.7(3)
O16	W4	Mn1	130.2(3)	O5W	K2	O19	102.1(3)
O16	W4	W3	90.9(3)	O5W	K2	O3W	74.4(4)
O16	W4	K3^{1}	58.6(3)	O3W	K2	W3	70.8(3)
O16	W4	K1	100.1(3)	O3W	K2	W6^{9}	66.4(3)
O16	W4	O3	95.6(4)	O3W	K2	W5^{5}	102.5(4)
O16	W4	O12	162.8(4)	O3W	K2	Ag1	117.9(4)
O16	W4	O9	99.6(4)	O3W	K2	O5	87.5(4)
O16	W4	O6	94.8(4)	O3W	K2	O21	78.0(4)
O16	W4	K4B^{1}	24.5(5)	O3W	K2	O7W^{9}	166.6(4)
Mn1	W3	W4	59.73(4)	O3W	K2	O19	136.0(4)
Mn1	W3	K2	132.22(8)	W5	K4A	K3	57.30(19)
W4	W3	K2	168.06(7)	O15^{6}	K4A	W5	160.9(5)
O3	W3	Mn1	35.3(2)	O15^{6}	K4A	K3	104.0(4)
O3	W3	W4	42.2(2)	O15^{6}	K4A	O17	133.8(6)
O3	W3	K2	146.3(2)	O15^{6}	K4A	O16^{6}	69.4(4)
O3	W3	O11	72.1(3)	O15^{6}	K4A	O1W^{5}	111.1(6)
O11	W3	Mn1	36.8(2)	O15^{6}	K4A	O13W	88.1(6)
O11	W3	W4	86.3(2)	O15^{6}	K4A	O9W	85.3(10)
O11	W3	K2	104.2(2)	O7	K4A	W5	30.8(3)
O9	W3	Mn1	78.7(3)	O7	K4A	K3	81.1(4)
O9	W3	W4	34.7(3)	O7	K4A	O15^{6}	162.6(6)
O9	W3	K2	138.7(3)	O7	K4A	O17	55.9(4)
O9	W3	O3	75.0(3)	O7	K4A	O16^{6}	107.9(5)
O9	W3	O11	86.6(4)	O7	K4A	O1W^{5}	78.1(5)
O9	W3	O5	156.4(4)	O7	K4A	O13W	81.1(6)
O15	W3	Mn1	127.8(3)	O7	K4A	O9W	79.0(10)
O15	W3	W4	91.0(3)	O17	K4A	W5	27.1(2)
O15	W3	K2	80.8(3)	O17	K4A	K3	31.7(2)
O15	W3	O3	93.5(4)	O17	K4A	O13W	137.0(7)
O15	W3	O11	161.1(4)	O17	K4A	O9W	95.2(9)
O15	W3	O9	101.6(4)	O16^{6}	K4A	W5	94.1(4)
O15	W3	O5	93.9(4)	O16^{6}	K4A	K3	40.2(3)
O15	W3	O21	104.2(5)	O16^{6}	K4A	O17	71.3(4)
O5	W3	Mn1	77.8(3)	O16^{6}	K4A	O13W	131.0(6)
O5	W3	W4	128.7(3)	O16^{6}	K4A	O9W	59.6(9)

O5	W3	K2	61.1(3)	O1W^{5}	K4A	W5	80.2(4)
O5	W3	O3	86.5(3)	O1W^{5}	K4A	K3	123.6(5)
O5	W3	O11	73.5(3)	O1W^{5}	K4A	O17	96.4(5)
O21	W3	Mn1	127.9(3)	O1W^{5}	K4A	O16^{6}	157.5(6)
O21	W3	W4	129.8(3)	O1W^{5}	K4A	O13 W	70.7(6)
O21	W3	K2	45.7(3)	O1W^{5}	K4A	O9W	142.1(11)
O21	W3	O3	161.3(4)	O11W	K4A	W5	79.5(5)
O21	W3	O11	91.7(4)	O11W	K4A	K3	60.4(4)
O21	W3	O9	95.2(4)	O11W	K4A	O15^{6}	87.8(6)
O21	W3	O5	98.1(4)	O11W	K4A	O7	108.9(6)
Mn1	W6	K3^{2}	119.70(6)	O11W	K4A	O17	61.8(5)
Mn1	W6	K2^{3}	142.39(6)	O11W	K4A	O16^{6}	79.5(6)
W5	W6	Mn1	59.64(4)	O11W	K4A	O1W^{5}	78.1(6)
W5	W6	K3^{2}	84.47(5)	O11W	K4A	O13 W	144.6(7)
W5	W6	K2^{3}	126.58(7)	O11W	K4A	O9W	138.3(10)
K3^{2}	W6	K2^{3}	97.75(7)	O11W	K4A	O17 W	48.8(10)
O12	W6	Mn1	35.8(2)	O13W	K4A	W5	110.5(6)
O12	W6	W5	86.1(2)	O13W	K4A	K3	153.7(6)
O12	W6	K3^{2}	103.3(2)	O13W	K4A	O9W	76.2(10)
O12	W6	K2^{3}	142.8(2)	O9W	K4A	W5	94.8(9)
O10	W6	Mn1	78.6(2)	O9W	K4A	K3	81.6(8)
O10	W6	W5	35.2(2)	O17W	K4A	W5	116.8(10)
O10	W6	K3^{2}	50.5(2)	O17W	K4A	K3	107.1(10)
O10	W6	K2^{3}	129.7(3)	O17W	K4A	O15^{6}	62.0(10)
O10	W6	O12	86.9(4)	O17W	K4A	O7	133.1(10)
O10	W6	O4	74.5(3)	O17W	K4A	O17	108.7(10)
O10	W6	O8	154.2(3)	O17W	K4A	O16^{6}	106.6(11)
O18	W6	Mn1	130.5(3)	O17W	K4A	O1W^{5}	58.5(10)
O18	W6	W5	92.3(3)	O17W	K4A	O13 W	99.1(11)
O18	W6	K3^{2}	94.0(3)	O17W	K4A	O9W	147.2(14)
O18	W6	K2^{3}	34.3(3)	Mn1	O3	W4	103.1(4)
O18	W6	O12	162.4(4)	Mn1	O3	W3	103.0(4)
O18	W6	O10	101.8(4)	Mn1	O3	Na3^{1}	149.5(6)
O18	W6	O4	96.0(4)	W4	O3	Na3^{1}	97.0(7)
O18	W6	O8	94.2(4)	W3	O3	W4	95.8(3)
O18	W6	O24	103.3(5)	W3	O3	Na3^{1}	97.5(6)
O4	W6	Mn1	35.6(3)	Mn1	O11	W3	100.1(4)

O4	W6	W5	41.2(2)	Mn1	O11	W5	98.2(4)
O4	W6	K3^{2}	124.9(2)	Mn1	O11	W1	104.0(3)
O4	W6	K2^{3}	119.5(3)	W3	O11	W5	157.4(4)
O4	W6	O12	71.4(3)	W3	O11	W1	94.8(3)
O8	W6	Mn1	75.6(2)	W1	O11	W5	93.5(3)
O8	W6	W5	125.1(2)	Mn1	O12	W4	100.0(4)
O8	W6	K3^{2}	148.9(3)	Mn1	O12	W6	100.5(4)
O8	W6	K2^{3}	73.4(3)	Mn1	O12	W2	103.8(4)
O8	W6	O12	72.7(3)	W4	O12	W6	155.2(4)
O8	W6	O4	83.9(3)	W4	O12	W2	94.9(3)
O24	W6	Mn1	126.1(3)	W2	O12	W6	93.6(3)
O24	W6	W5	130.1(3)	W6	O10	W5	109.8(4)
O24	W6	K3^{2}	47.9(3)	W6	O10	K3^{2}	99.1(3)
O24	W6	K2^{3}	80.7(3)	W5	O10	K3^{2}	146.3(4)
O24	W6	O12	91.0(4)	W4	O9	K1	106.2(4)
O24	W6	O10	95.0(4)	W3	O9	W4	111.4(4)
O24	W6	O4	159.6(4)	W3	O9	K1	141.6(4)
O24	W6	O8	101.0(4)	W4	O22	K3^{1}	106.9(4)
O12	W2	K1^{4}	72.3(2)	W4	O22	K1^{4}	139.5(5)
O12	W2	O2	68.8(3)	W4	O22	K1	100.2(4)
O12	W2	Na1^{3}	114.6(7)	K3^{1}	O22	K1	99.5(3)
O6	W2	K1^{4}	86.0(2)	K1^{4}	O22	K3^{1}	99.4(3)
O6	W2	O12	73.4(3)	K1^{4}	O22	K1	105.2(3)
O6	W2	O8	146.9(4)	W6	O18	K3	139.3(5)
O6	W2	O2	83.0(3)	W6	O18	K2^{3}	124.8(5)
O6	W2	Na1^{3}	140.0(7)	K2^{3}	O18	K3	95.8(4)
O8	W2	K1^{4}	89.1(3)	W2	O6	W4	115.0(4)
O8	W2	O12	73.9(3)	W3	O15	K4A^{1}	135.5(6)
O8	W2	O2	80.5(3)	W3	O15	Na2^{1}	151.3(6)
O8	W2	Na1^{3}	61.6(7)	W3	O15	Na3^{1}	108.4(7)
O2	W2	K1^{4}	141.2(2)	W3	O15	K4B^{1}	135.3(7)
O2	W2	Na1^{3}	137.1(7)	W3	O15	Na1	134.4(10)
O14	W2	K1^{4}	134.0(3)	K4B^{1}	O15	Na3^{1}	68.9(8)
O14	W2	O12	153.6(4)	Na1	O15	Na3^{1}	108.9(11)
O14	W2	O6	103.6(4)	Na1	O15	K4B^{1}	82.9(11)
O14	W2	O8	103.3(4)	W5	O7	K4A	103.4(5)
O14	W2	O2	84.8(4)	W5	O7	K4B	106.4(7)
O14	W2	O20	103.0(5)	W1	O7	W5	115.8(5)
O14	W2	Na1^{3}	85.0(7)	W1	O7	K4A	131.3(5)
O20	W2	K1^{4}	31.1(4)	W1	O7	K4B	134.1(7)

O20	W2	O12	103.4(4)	Mn1	O1	W1	103.1(4)
O20	W2	O6	96.5(5)	C1	O1	Mn1	120.6(8)
O20	W2	O8	96.0(5)	C1	O1	W1	119.3(8)
O20	W2	O2	172.1(4)	Mn1	O4	W6	102.8(4)
O20	W2	Na1^{3}	43.8(7)	Mn1	O4	W5	104.3(4)
Na1^{3}	W2	K1^{4}	62.2(6)	W5	O4	W6	95.8(3)
Mn1	W5	W6	60.56(3)	W5	O17	K3	138.7(5)
Mn1	W5	K2^{5}	141.07(7)	W5	O17	K4A	100.4(5)
Mn1	W5	K4A	118.6(2)	W5	O17	K4B	102.4(6)
Mn1	W5	K4B	112.8(4)	K3	O17	K4A	112.9(5)
W6	W5	K2^{5}	107.14(6)	K3	O17	K4B	106.5(6)
W6	W5	K4A	135.49(18)	W5	O23	Ag1	139.9(5)
W6	W5	K4B	128.4(3)	W5	O23	K2^{5}	125.8(4)
K4A	W5	K2^{5}	96.2(2)	Ag1	O23	K2^{5}	93.1(3)
O11	W5	Mn1	36.6(2)	W3	O5	K2	87.0(3)
O11	W5	W6	87.8(2)	W1	O5	W3	113.5(4)
O11	W5	K2^{5}	113.4(2)	W1	O5	K2	100.1(3)
O11	W5	K4A	117.2(3)	W2	O8	W6	114.4(4)
O11	W5	K4B	116.4(5)	Mn1	O2	W2	103.5(3)
O10	W5	Mn1	79.4(2)	C2	O2	Mn1	118.9(7)
O10	W5	W6	35.0(2)	C2	O2	W2	118.4(7)
O10	W5	K2^{5}	74.9(2)	W3	O21	Ag1	132.8(5)
O10	W5	K4A	154.4(4)	W3	O21	K2	107.8(4)
O10	W5	O11	88.3(3)	Ag1	O21	K2	85.2(3)
O10	W5	O7	156.3(4)	W2	O14	Na3^{7}	161.7(9)
O10	W5	O4	76.1(3)	K3	O7W	K1^{2}	97.5(3)
O10	W5	K4B	152.6(5)	K3	O7W	K2^{3}	87.8(3)
O7	W5	Mn1	77.0(3)	K1^{2}	O7W	K2^{3}	171.2(4)
O7	W5	W6	127.9(3)	W4	O16	K3^{1}	93.2(4)
O7	W5	K2^{5}	125.0(3)	W4	O16	K4A^{1}	133.4(6)
O7	W5	K4A	45.9(4)	W4	O16	Na3^{1}	105.3(7)
O7	W5	O11	72.4(3)	W4	O16	K4B^{1}	139.4(8)
O7	W5	O4	84.8(4)	K4A^{1}	O16	K3^{1}	102.6(4)
O7	W5	K4B	44.0(5)	Na3^{1}	O16	K3^{1}	156.2(6)
O4	W5	Mn1	35.7(3)	K4B^{1}	O16	K3^{1}	106.0(6)
O4	W5	W6	43.0(2)	K4B^{1}	O16	Na3^{1}	69.4(8)
O4	W5	K2^{5}	150.2(2)	W1	O19	K2	112.3(5)
O4	W5	K4A	107.1(3)	W2	O20	K1^{4}	129.2(6)
O4	W5	O11	72.3(3)	W2	O20	Na1^{3}	108.8(10)
O4	W5	K4B	99.1(4)	Na1^{3}	O20	K1^{4}	96.2(9)

O17	W5	Mn1	132.4(3)	C4	O25	K3^{7}	145.2(8)
O17	W5	W6	93.4(3)	O15^{6}	Na2	Na2^{10}	149.8(6)
O17	W5	K2^{5}	81.9(3)	O15^{6}	Na2	O6W^{6}	81.6(6)
O17	W5	K4A	52.5(4)	O15^{6}	Na2	O15W	78.4(6)
O17	W5	O11	163.6(4)	O15^{6}	Na2	O8W	86.7(13)
O17	W5	O10	102.1(4)	O15^{6}	Na2	O12W	111.6(12)
O17	W5	O7	94.2(4)	O6W^{6}	Na2	Na2^{10}	70.2(5)
O17	W5	O4	97.6(4)	O15W	Na2	Na2^{10}	79.4(6)
O17	W5	O23	105.0(4)	O15W	Na2	O6W^{6}	63.2(7)
O17	W5	K4B	51.2(5)	O15W	Na2	O12W	161.3(15)
O23	W5	Mn1	122.6(3)	O8W	Na2	Na2^{10}	112.8(14)
O23	W5	W6	127.8(3)	O8W	Na2	O6W^{6}	150.4(15)
O23	W5	K2^{5}	33.0(3)	O8W	Na2	O15W	88.0(15)
O23	W5	K4A	91.8(4)	O8W	Na2	O12W	77.3(19)
O23	W5	O11	87.0(4)	O12W	Na2	Na2^{10}	95.7(12)
O23	W5	O10	92.9(4)	O12W	Na2	O6W^{6}	132.3(14)
O23	W5	O7	99.5(4)	O14W^{10}	Na2	O15^{6}	147.0(14)
O23	W5	O4	156.6(4)	O14W	Na2	O15^{6}	151.3(11)
O23	W5	K4B	99.8(5)	O14W^{10}	Na2	Na2^{10}	6.2(11)
O11	W1	K2	94.0(2)	O14W	Na2	Na2^{10}	4.8(9)
O11	W1	O1	69.2(3)	O14W	Na2	O6W^{6}	73.5(10)
O7	W1	K2	136.4(3)	O14W^{10}	Na2	O6W^{6}	65.9(13)
O7	W1	O11	74.6(4)	O14W^{10}	Na2	O15W	81.7(15)
O7	W1	O1	81.9(3)	O14W	Na2	O15W	77.8(12)
O1	W1	K2	133.9(2)	O14W^{10}	Na2	O8W	118.8(18)
O13	W1	K2	103.2(3)	O14W	Na2	O8W	108.1(16)
O13	W1	O11	155.6(4)	O14W^{10}	Na2	O12W	95.3(18)
O13	W1	O7	102.9(4)	O14W	Na2	O12W	95.9(15)

O13	W1	O1	86.4(4)	O14W^{10}	Na2	O14W	11(2)
O13	W1	O5	103.0(4)	K1	O1W	K4B^{5}	137.5(6)
O13	W1	O19	103.1(5)	K4A^{5}	O1W	K1	137.6(6)
O5	W1	K2	52.4(3)	O2	C2	C3	111.1(10)
O5	W1	O11	74.1(3)	O1	C1	C3	113.6(11)
O5	W1	O7	148.1(4)	N1	C3	C4	107.7(11)
O5	W1	O1	81.5(3)	C2	C3	N1	106.6(10)
O19	W1	K2	43.8(4)	C2	C3	C4	110.0(10)
O19	W1	O11	101.2(4)	C1	C3	N1	106.6(11)
O19	W1	O7	96.3(4)	C1	C3	C2	114.7(11)
O19	W1	O1	170.4(4)	C1	C3	C4	110.8(10)
O19	W1	O5	95.6(4)	O25	C4	C3	111.9(11)
K2	Ag1	K2^{5}	180.0	K4A	O11W	K1^{6}	133.1(7)
O23	Ag1	K2	132.0(2)	W6	O24	K3^{2}	106.1(4)
O23^{5}	Ag1	K2^{5}	132.0(2)	W6	O24	K1^{4}	140.0(5)
O23^{5}	Ag1	K2	48.0(2)	K1^{4}	O24	K3^{2}	101.4(3)
O23	Ag1	K2^{5}	48.0(2)	Na3	O10W	K4B	74.7(17)
O23^{5}	Ag1	O23	180.0	O3^{6}	Na3	O15^{6}	59.2(5)
O23^{5}	Ag1	O21	77.8(3)	O3^{6}	Na3	O16^{6}	59.8(5)
O23^{5}	Ag1	O21^{5}	102.2(3)	O3^{6}	Na3	K4B	94.0(8)
O23	Ag1	O21^{5}	77.8(3)	O15^{6}	Na3	O16^{6}	67.8(6)
O23	Ag1	O21	102.2(3)	O15^{6}	Na3	K4B	53.2(6)
O21	Ag1	K2^{5}	129.1(2)	O14^{7}	Na3	O3^{6}	114.6(9)
O21^{5}	Ag1	K2	129.1(2)	O14^{7}	Na3	O15^{6}	171.7(11)
O21	Ag1	K2	50.9(2)	O14^{7}	Na3	O16^{6}	104.5(10)
O21^{5}	Ag1	K2^{5}	50.9(2)	O14^{7}	Na3	K4B	124.8(12)
O21	Ag1	O21^{5}	180.0	O16^{6}	Na3	K4B	50.3(7)
W4^{6}	K3	W6^{2}	115.52(7)	O10W	Na3	O3^{6}	144.7(18)
W4^{6}	K3	K1^{2}	64.26(6)	O10W	Na3	O15^{6}	107.7(17)
W4^{6}	K3	K2^{3}	138.13(10)	O10W	Na3	O14^{7}	74.0(16)
W6^{2}	K3	K1^{2}	86.41(6)	O10W	Na3	O16^{6}	85.0(17)
W6^{2}	K3	K2^{3}	95.06(8)	O10W	Na3	K4B	57.8(16)
K2^{3}	K3	K1^{2}	91.65(9)	W4^{6}	K4B	K3	49.7(3)
O10^{2}	K3	W4^{6}	132.1(2)	W5	K4B	W4^{6}	108.1(6)
O10^{2}	K3	W6^{2}	30.37(17)	W5	K4B	K3	58.5(3)
O10^{2}	K3	K1^{2}	77.7(2)	O15^{6}	K4B	W4^{6}	61.2(5)
O10^{2}	K3	K2^{3}	66.54(18)	O15^{6}	K4B	W5	156.3(10)
O10^{2}	K3	O16^{6}	152.6(3)	O15^{6}	K4B	K3	108.5(7)

O22^{6}	K3	W4^{6}	26.91(19)	O15^{6}	K4B	O7	166.3(10)
O22^{6}	K3	W6^{2}	97.1(2)	O15^{6}	K4B	O17	133.6(11)
O22^{6}	K3	K1^{2}	40.0(2)	O15^{6}	K4B	O1W^{5}	98.8(8)
O22^{6}	K3	K2^{3}	128.6(2)	O15^{6}	K4B	O10W	102.4(15)
O22^{6}	K3	O10^{2}	106.3(3)	O15^{6}	K4B	Na3	57.9(7)
O22^{6}	K3	O16^{6}	54.7(3)	O15^{6}	K4B	Na1^{6}	47.0(8)
O22^{6}	K3	O24^{2}	78.2(3)	O7	K4B	W4^{6}	132.3(8)
O18	K3	W4^{6}	153.0(2)	O7	K4B	W5	29.6(3)
O18	K3	W6^{2}	88.8(2)	O7	K4B	K3	84.0(6)
O18	K3	K1^{2}	132.8(2)	O7	K4B	O17	55.4(5)
O18	K3	K2^{3}	42.1(2)	O7	K4B	O1W^{5}	70.0(6)
O18	K3	O10^{2}	74.9(3)	O7	K4B	O10W	80.1(15)
O18	K3	O22^{6}	169.7(3)	O7	K4B	Na3	127.3(11)
O18	K3	O7W	90.6(3)	O7	K4B	Na1^{6}	119.4(10)
O18	K3	O16^{6}	127.6(3)	O17	K4B	W4^{6}	82.7(6)
O18	K3	O25^{7}	94.7(3)	O17	K4B	W5	26.3(3)
O18	K3	O24^{2}	109.9(3)	O17	K4B	K3	34.4(3)
O17	K3	W4^{6}	95.3(2)	O17	K4B	O1W^{5}	86.2(6)
O17	K3	W6^{2}	81.2(2)	O17	K4B	Na3	129.7(9)
O17	K3	K1^{2}	148.5(2)	O17	K4B	Na1^{6}	144.3(10)
O17	K3	K2^{3}	118.1(2)	O16^{6}	K4B	W4^{6}	16.1(3)
O17	K3	O10^{2}	103.7(3)	O16^{6}	K4B	W5	98.4(7)
O17	K3	O22^{6}	113.0(3)	O16^{6}	K4B	K3	41.1(4)
O17	K3	O18	76.1(3)	O16^{6}	K4B	O15^{6}	75.2(7)
O17	K3	O7W	162.4(3)	O16^{6}	K4B	O7	118.5(9)
O17	K3	O16^{6}	72.0(3)	O16^{6}	K4B	O17	75.4(7)
O17	K3	O25^{7}	116.5(3)	O16^{6}	K4B	O1W^{5}	145.7(11)
O17	K3	O24^{2}	72.9(3)	O16^{6}	K4B	O10W	85.2(14)
O7W	K3	W4^{6}	101.6(2)	O16^{6}	K4B	Na3	60.4(7)
O7W	K3	W6^{2}	87.0(2)	O16^{6}	K4B	Na1^{6}	122.1(10)
O7W	K3	K1^{2}	42.2(2)	O1W^{5}	K4B	W4^{6}	134.8(8)
O7W	K3	K2^{3}	49.6(2)	O1W^{5}	K4B	W5	73.4(5)
O7W	K3	O10^{2}	61.0(3)	O1W^{5}	K4B	K3	115.8(7)
O7W	K3	O22^{6}	81.4(3)	O1W^{5}	K4B	Na1^{6}	61.8(8)
O7W	K3	O16^{6}	125.6(3)	O10W	K4B	W4^{6}	96.1(14)
O7W	K3	O25^{7}	75.5(3)	O10W	K4B	W5	99.7(15)
O7W	K3	O24^{2}	101.6(3)	O10W	K4B	K3	100.7(14)
O16^{6}	K3	W4^{6}	28.20(19)	O10W	K4B	O17	110.0(15)

O16^{6}	K3	W6^{2}	124.9(2)	O10W	K4B	O1W^{5}	128.7(15)
O16^{6}	K3	K1^{2}	92.2(2)	O10W	K4B	Na3	47.5(14)
O16^{6}	K3	K2^{3}	140.0(2)	O10W	K4B	Na1^{6}	102.8(16)
O25^{7}	K3	W4^{6}	66.0(2)	Na3	K4B	W4^{6}	61.6(6)
O25^{7}	K3	W6^{2}	162.2(2)	Na3	K4B	W5	138.7(9)
O25^{7}	K3	K1^{2}	78.4(2)	Na3	K4B	K3	98.4(7)
O25^{7}	K3	K2^{3}	76.3(2)	Na3	K4B	O1W^{5}	144.1(10)
O25^{7}	K3	O10^{2}	134.7(3)	Na3	K4B	Na1^{6}	83.3(10)
O25^{7}	K3	O22^{6}	77.2(3)	Na1^{6}	K4B	W4^{6}	108.0(9)
O25^{7}	K3	O16^{6}	65.5(3)	Na1^{6}	K4B	W5	134.7(9)
O25^{7}	K3	O24^{2}	155.4(3)	Na1^{6}	K4B	K3	149.3(10)
O24^{2}	K3	W4^{6}	91.3(2)	O16W	K4B	W4^{6}	99.0(15)
O24^{2}	K3	W6^{2}	26.0(2)	O16W	K4B	W5	105.9(15)
O24^{2}	K3	K1^{2}	83.3(2)	O16W	K4B	K3	113.7(16)
O24^{2}	K3	K2^{3}	120.9(2)	O16W	K4B	O15^{6}	58.9(15)
O24^{2}	K3	O10^{2}	54.8(3)	O16W	K4B	O7	111.5(16)
O24^{2}	K3	O16^{6}	99.1(3)	O16W	K4B	O17	103.9(16)
W4	K1	W2^{4}	146.74(9)	O16W	K4B	O16^{6}	114.5(17)
W4	K1	K3^{2}	95.28(8)	O16W	K4B	O1W^{5}	42.2(14)
W4	K1	Na1^{8}	136.8(6)	O16W	K4B	O10W	144(2)
W2^{4}	K1	K3^{2}	85.53(6)	O16W	K4B	Na3	115.1(16)
O9	K1	W4	30.2(2)	O16W	K4B	Na1^{6}	41.7(15)
O9	K1	W2^{4}	176.0(2)	W2^{9}	Na1	K1^{8}	64.2(6)
O9	K1	K3^{2}	97.2(2)	O15	Na1	W2^{9}	160.2(15)
O9	K1	O22^{4}	118.9(3)	O15	Na1	K1^{8}	135.4(13)
O9	K1	O22	57.2(3)	O15	Na1	O20^{9}	163.1(18)
O9	K1	O7W^{2}	81.7(3)	O15	Na1	K4B^{1}	50.1(8)
O9	K1	O20^{4}	162.6(3)	O15	Na1	O2W	82.1(15)
O9	K1	O1W	81.1(3)	O20^{9}	Na1	W2^{9}	27.4(5)
O9	K1	O11W^{1}	71.9(4)	O20^{9}	Na1	K1^{8}	42.4(6)
O9	K1	O24^{4}	115.3(3)	O20^{9}	Na1	K4B^{1}	113.3(14)
O9	K1	Na1^{8}	125.8(6)	O20^{9}	Na1	O2W	113.5(18)
O22^{4}	K1	W4	98.3(2)	K4B^{1}	Na1	W2^{9}	133.5(12)
O22	K1	W4	27.43(18)	K4B^{1}	Na1	K1^{8}	101.8(10)
O22	K1	W2^{4}	120.1(2)	O2W	Na1	W2^{9}	102.3(16)
O22^{4}	K1	W2^{4}	61.55(19)	O2W	Na1	K1^{8}	91.8(16)
O22^{4}	K1	K3^{2}	40.6(2)	O2W	Na1	K4B^{1}	123.0(17)
O22	K1	K3^{2}	86.4(2)	O16W^{1}	Na1	W2^{9}	137(2)

O22^{4}	K1	O22	74.8(3)	O16W^{1}	Na1	K1^{8}	74.4(17)
O22^{4}	K1	O7W^{2}	80.0(3)	O16W^{1}	Na1	O15	61.7(17)
O22^{4}	K1	O1W	141.4(3)	O16W^{1}	Na1	O20^{9}	110(2)
O22^{4}	K1	O11W^{1}	147.1(3)	O16W^{1}	Na1	K4B^{1}	43.5(16)
O22	K1	O11W^{1}	89.3(4)	O16W^{1}	Na1	O2W	91(2)
O22^{4}	K1	O24^{4}	84.8(3)	Na2^{10}	O14W	Na2	169(2)
O22	K1	Na1^{8}	139.3(6)	O14W^{10}	O14W	Na2	31(6)
O22^{4}	K1	Na1^{8}	115.1(6)	O14W^{10}	O14W	Na2^{10}	138(8)
O7W^{2}	K1	W4	99.5(2)	Na1^{6}	O16W	K4B	95(2)

^{1}−1+X, +Y, +Z; ^{2}2−X, 2−Y, 1−Z; ^{3}+X, 1+Y, +Z; ^{4}1−X, 2−Y, 1−Z; ^{5}2−X, 1−Y, 1−Z; ^{6}1+X, +Y, +Z; ^{7}2−X, 2−Y, −Z; ^{8}1−X, 1−Y, 1−Z; ^{9}+X, −1+Y, +Z; ^{10}3−X, 1−Y, −Z

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