

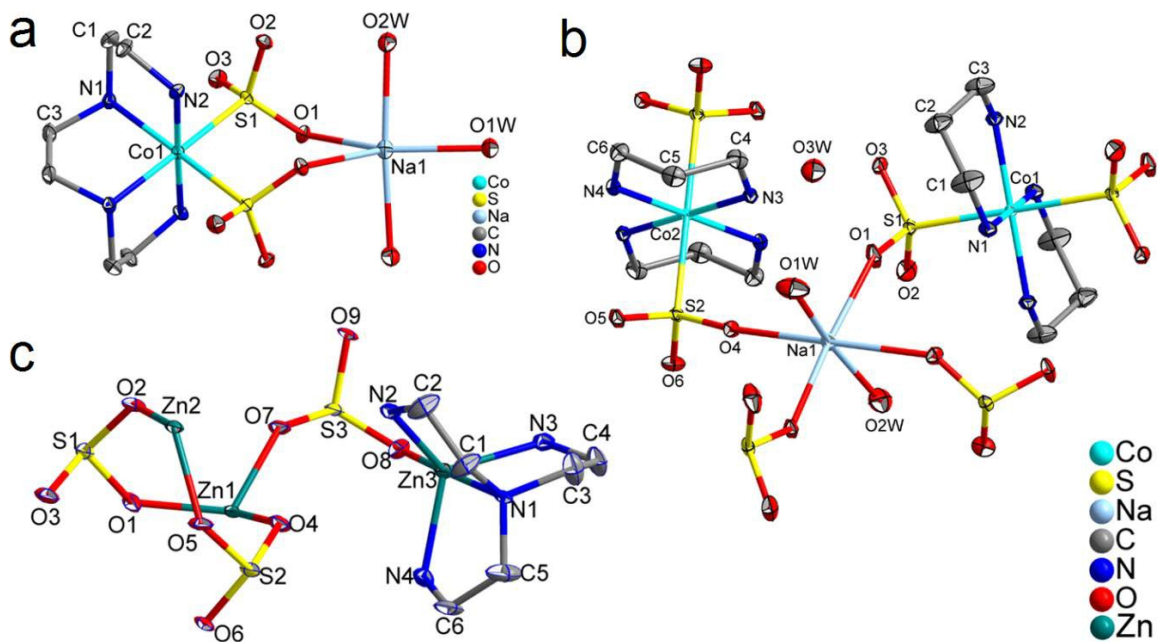
Supporting Information for:

**H–bond Supported Coordination Polymers of Transition Metal Sulfites  
with Different Dimensionalities**

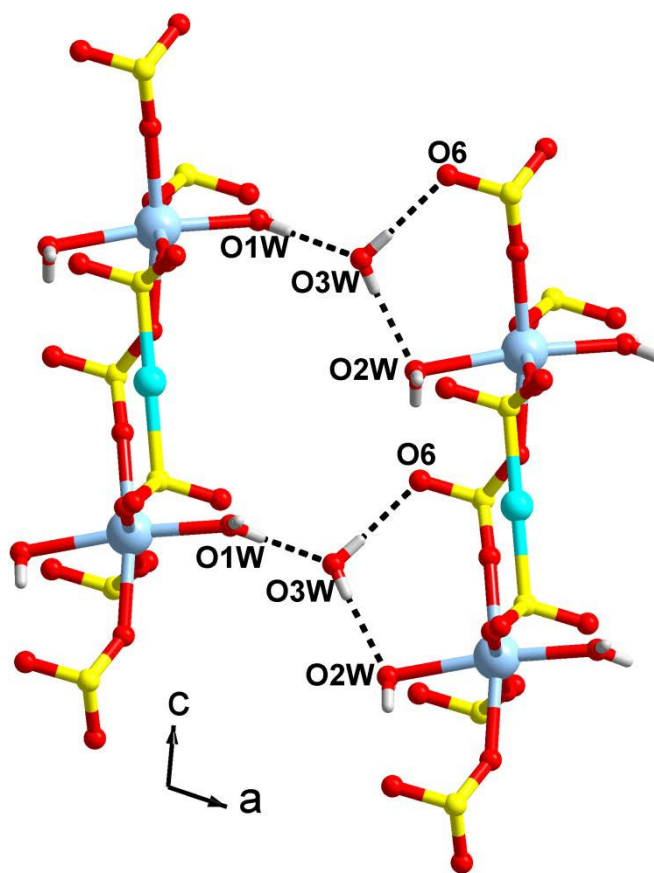
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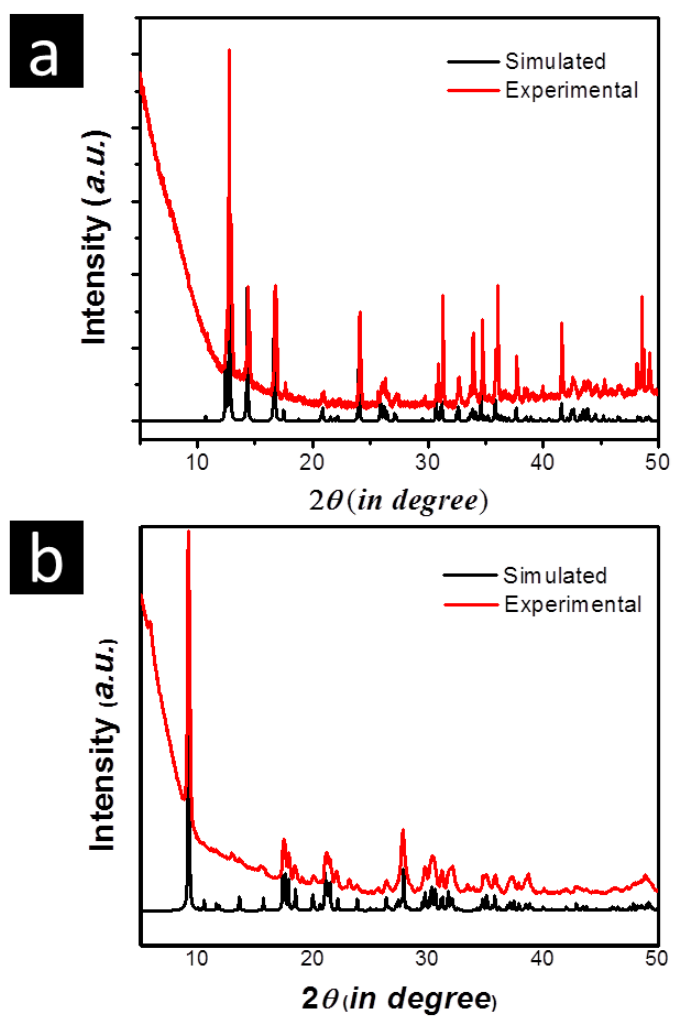
\*e-mail: [jnbehera@niser.ac.in](mailto:jnbehera@niser.ac.in)



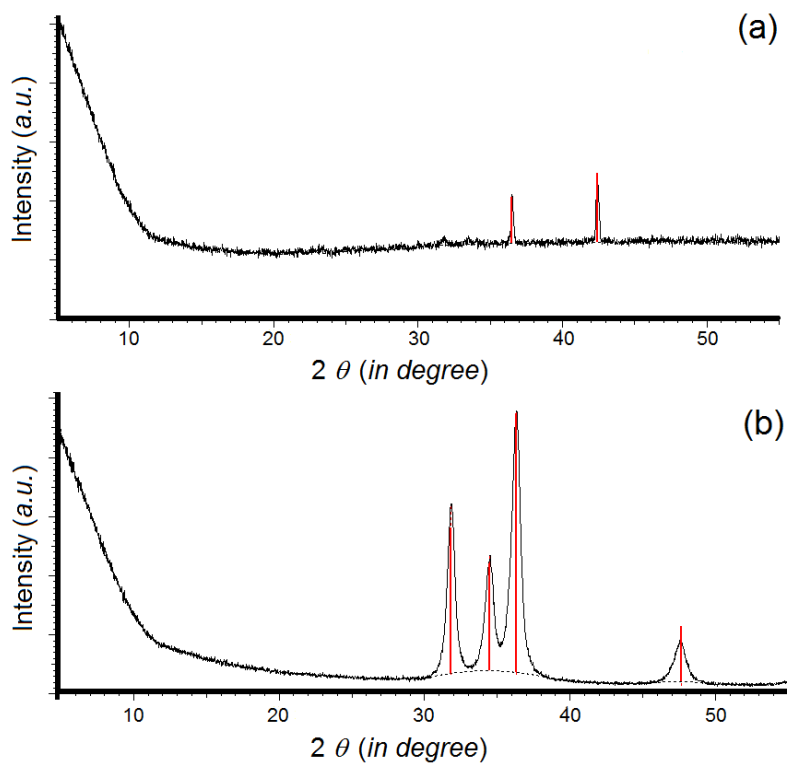
**Fig. S1** (a) Molecular structure of  $[(C_6N_4H_{18})NaCo(SO_3)_2(H_2O)_3]$ , **1**, at 35% ellipsoid probability; (b) Molecular structure of  $[(C_3N_2H_{10})_2NaCo(SO_3)_2(H_2O)_2].H_2O$ , **2**, at 30 % ellipsoid probability; (c) Asymmetric unit of  $[(C_6N_4H_{18})Zn_3(SO_3)_3]$ , **3**, with 20 % ellipsoid probability (unique atoms are labelled).



**Fig. S2.** Interconnection of different layers *via* H-bonding through water molecules in case of  $[(C_3N_2H_{10})_2NaCo(SO_3)_2(H_2O)_2].H_2O$ , **2**.



**Fig. S3.** PXRd pattern for (a)  $[(C_6N_4H_{18})NaCo(SO_3)_2(H_2O)_3]$ , (**1**) and (b)  $[(C_6N_4H_{18})Zn_3(SO_3)_3]$ , (**3**).



**Fig. S4.** Post calcination PXRD analysis of (a)  $[(C_6N_4H_{18})NaCo(SO_3)_2(H_2O)_3]$ , **1**, &  $[(C_3N_2H_{10})_2NaCo(SO_3)_2(H_2O)_2] \cdot H_2O$ , **2** and (b)  $[(C_6N_4H_{18})Zn_3(SO_3)_3]$ , **3** showing formation of CoO (PDF-00-043-1004) and ZnO (PDF-01-075-0576) respectively.

**Table S1.** Hydrogen bonding table for **1-3**.<sup>#</sup>

D—H···A	Symmetry of A	D—H	H···A	D—A	∠D—H···A
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>3</sub>], 1</b>					
N1—H1···O3		0.88(4)	2.37(4)	2.898(3)	119(3)
N1—H1···O2w	-1/2+x, 1/2+y,z	0.88(4)	2.23(4)	2.964(4)	141(4)
N2—H2A···O3	1/2+x, 1/2-y, 1/2+z	0.86(4)	2.26(4)	2.995(4)	144(4)
N2—H2B···O2		0.88(3)	2.13(4)	2.838(4)	138(4)
O1w—H1w1···O3	1/2-x, -1/2+y, 1/2-z	0.83(4)	2.00(4)	2.810(3)	166(4)
O2w—H1w2···O1	1-x, -y, -z	0.82(2)	1.96(2)	2.762(3)	167(5)
O2w—H2w2···O2	1-x, y, 1/2-z	0.86(3)	1.98(3)	2.770(3)	152(4)
<b>[(C<sub>3</sub>N<sub>2</sub>H<sub>10</sub>)<sub>2</sub>NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>].H<sub>2</sub>O, 2</b>					
N1—H1B···O1	1-x, -y, -z	0.83(3)	2.29(3)	2.855(2)	125(2)
N1—H1B···O5	1-x, -y, -z	0.83(3)	2.22(3)	2.946(2)	146(3)
N2—H2A···O3	1-x, -y, -z	0.85(3)	2.22(3)	2.866(2)	133(2)
N2—H2A···O4	x, 1/2-y, -1/2+z	0.85(3)	2.50(3)	3.085(2)	127(2)
N3—H3A···O1		0.84(2)	2.41(2)	2.934(2)	121(2)
N3—H3A···O4		0.84(2)	2.16(3)	2.870(2)	142(2)
N3—H3B···O3		0.84(3)	2.19(3)	3.005(2)	163(2)
N4—H4B···O5	x, 1/2-y, 1/2+z	0.86(3)	2.09(3)	2.821(2)	142(2)
O1w—H1w1···O3w	1+x, y, z	0.787(19)	1.979(19)	2.763(3)	175(2)
O1w—H2w1···O2	1-x, 1/2+y, 1/2-z	0.85(2)	2.15(2)	2.931(3)	152(3)
O2w—H1w2···O6	x, 1/2-y, -1/2+z	0.84(2)	2.17(3)	2.986(3)	164(2)
O2w—H2w2···O2		0.84(2)	2.34(2)	3.136(3)	159(3)
O3w—H1w3···O2w		0.78(3)	2.09(3)	2.846(3)	164(4)
O3w—H2w3···O6		0.81(2)	2.00(2)	2.814(2)	174(3)
C3—H3B···O2		0.97	2.55	3.188(3)	123
C4—H4A···O6	1-x, -y, 1-z	0.97	2.53	3.182(2)	125
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)Zn<sub>3</sub>(SO<sub>3</sub>)<sub>3</sub>], 3</b>					
N2—H2A···O2	-x, -y, -z	0.85(11)	2.54(11)	3.008(11)	115(11)
N2—H2A···O7	-x, -y, -z	0.85(11)	2.33(14)	3.015(14)	138(11)
N2—H2B···O4		0.85	2.27	3.031(10)	150
N2—H2B···O9	-x, -y, -z	0.85	2.57	3.079(14)	120
N3—H3A···O6	1-x, -y, -z	0.86(8)	2.40(9)	3.057(14)	134(8)
N3—H3B···O5	1+x, y, -1+z	0.81(10)	2.50(11)	3.089(13)	131(11)
N3—H3B···O2	-x, -y, -z	0.81(10)	2.57(14)	3.158(16)	131(11)
N4—H4A···O4		0.88	2.38	3.125(14)	143
N4—H4B···O3	-x, -y, 1-z	0.86(10)	2.35(10)	3.049(13)	139(7)
C4—H4D···O5	1+x, y, -1+z	0.97	2.48	3.188(15)	130

<sup>#</sup> Where 'D' is donor and 'A' is acceptor, the bond lengths are in (Å) and angles are in (°).

**Table S2.** Complete list of bond lengths [ $\text{\AA}$ ] and bond angles [ $^\circ$ ] for **1-3<sup>#</sup>**

<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>3</sub>], 1</b>					
Co1—N1	2.020(3)	Na1—O2w	2.339(3)	C1—C2	1.508(5)
Co1—N2	1.971(3)	S1—O1	1.488(2)	C2—N2	1.485(4)
Co1—S1	2.216(8)	S1—O2	1.485(2)	C3—N1	1.487(4)
Na1—O1	2.349(3)	S1—O3	1.488(2)	C3—C3 <sup>a</sup>	1.503(7)
Na1—O1w	2.281(4)	C1—N1	1.497(4)		
N1—Co1—N1 <sup>a</sup>	84.97(16)	O1—Na1—O1w	140.01(6)	O1—S1—O3	108.61(13)
N1—Co1—N2	85.14(11)	O1—Na1—O2w	95.46(9)	O2—S1—O3	109.90(15)
N1—Co1—N2 <sup>a</sup>	95.71(11)	O1—Na1—O2w <sup>a</sup>	87.77(9)	S1—O1—Na1	124.46(13)
N1—Co1—S1	90.58(8)	O1w—Na1—O2w	87.90(8)	N1—C1—C2	109.5(3)
N1—Co1—S1 <sup>a</sup>	171.03(8)	O1w—Na1—O2w <sup>a</sup>	87.90(8)	N2—C2—C1	108.1(3)
N2—Co1—N2 <sup>a</sup>	178.86(15)	O2w—Na1—O2w <sup>a</sup>	175.80(15)	C1—N1—Co1	107.76(19)
N2—Co1—S1	91.66(9)	O1—S1—Co1	111.93(10)	C3—N1—Co1	110.4(2)
N2—Co1—S1 <sup>a</sup>	87.57(8)	O2—S1—Co1	109.95(10)	C3—N1—C1	113.1(3)
S1—Co1—S1 <sup>a</sup>	94.85(4)	O3—S1—Co1	106.86(10)	C2—N2—Co1	112.1(2)
O1—Na1—O1 <sup>a</sup>	79.99(12)	O1—S1—O2	109.54(13)	N1—C3—C3 <sup>a</sup>	110.8(2)
<b>[(C<sub>3</sub>N<sub>2</sub>H<sub>10</sub>)<sub>2</sub>NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>].H<sub>2</sub>O, 2</b>					
Co1—N1	1.988(2)	Na1—O5 <sup>c</sup>	2.401(1)	C1—C2	1.479(3)
Co1—N2	1.978(2)	Na1—O1w	2.337(2)	C2—C3	1.475(3)
Co1—S1	2.259(4)	Na1—O2w	2.563(2)	C4—C5	1.508(3)
Co2—N3	1.971(1)	S1—O1	1.485(2)	C5—C6	1.510(3)
Co2—N4	1.987(2)	S1—O2	1.479(2)	C1—N1	1.472(3)
Co2—S2	2.273(4)	S1—O3	1.492(1)	C3—N2	1.476(3)
Na1—O1	2.319(2)	S2—O4	1.488(1)	C4—N3	1.480(2)
Na1—O3 <sup>b</sup>	2.379(1)	S2—O5	1.491(1)	C6—N4	1.485(2)
Na1—O4	2.389(1)	S2—O6	1.487(1)		
N1—Co1—N1 <sup>d</sup>	180.0	O1—Na1—O5 <sup>c</sup>	82.71(5)	O6—S2—O4	108.87(8)
N1—Co1—N2	94.34(6)	O1—Na1—O1w	97.91(7)	O4—S2—O5	109.17(8)
N1—Co1—N2 <sup>d</sup>	85.66(7)	O1—Na1—O2w	81.03(7)	O6—S2—Co2	113.31(6)
N1—Co1—S1	89.41(5)	O3 <sup>b</sup> —Na1—O4	93.92(5)	O4—S2—Co2	109.38(5)
N1—Co1—S1 <sup>d</sup>	90.59(5)	O3 <sup>b</sup> —Na1—O5 <sup>c</sup>	91.84(5)	O5—S2—Co2	108.65(6)
N2—Co1—N2 <sup>d</sup>	180.0	O3 <sup>b</sup> —Na1—O2w	100.74(7)	N1—C1—C2	115.75(19)
N2—Co1—S1	89.52(5)	O4—Na1—O5 <sup>c</sup>	170.32(6)	C3—C2—C1	115.2(2)
N2—Co1—S1 <sup>d</sup>	90.48(5)	O4—Na1—O2w	92.27(6)	C2—C3—N2	114.01(19)
N3—Co2—N3 <sup>e</sup>	180.0	O5 <sup>c</sup> —Na1—O2w	79.01(6)	N3—C4—C5	111.98(15)
N3—Co2—N4	94.76(6)	O1w—Na1—O3 <sup>b</sup>	79.68(6)	C4—C5—C6	112.01(17)
N3—Co2—N4 <sup>e</sup>	85.24(7)	O1w—Na1—O4	94.03(7)	N4—C6—C5	112.14(17)
N3—Co2—S2	90.25(5)	O1w—Na1—O5 <sup>c</sup>	94.64(7)	C1—N1—Co1	125.30(13)
N3—Co2—S2 <sup>e</sup>	89.75(5)	O1w—Na1—O2w	173.64(8)	C3—N2—Co1	123.71(13)
N4—Co2—N4 <sup>e</sup>	180.0	O1—S1—O2	108.35(10)	C4—N3—Co2	124.39(12)
N4—Co2—S2	90.04(5)	O1—S1—O3	108.86(9)	C6—N4—Co2	123.73(12)
N4—Co2—S2 <sup>e</sup>	89.96(5)	O2—S1—O3	108.80(9)	S1—O1—Na1	152.26(12)
S1—Co1—S1 <sup>d</sup>	180.0	O2—S1—Co1	111.61(7)	S1—O3—Na1 <sup>f</sup>	144.26(9)
S2—Co2—S2 <sup>e</sup>	180.0	O1—S1—Co1	109.47(6)	S2—O4—Na1	170.70(9)
O1—Na1—O3 <sup>b</sup>	173.87(6)	O3—S1—Co1	109.69(5)	S2—O5—Na1 <sup>g</sup>	143.27(8)
O1—Na1—O4	91.87(5)				
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)Zn<sub>3</sub>(SO<sub>3</sub>)<sub>3</sub>], 3</b>					

Zn1—O1	1.925(7)	Zn3—N3	2.058(10)	O9—S3	1.504(7)
Zn1—O4	1.977(8)	Zn3—N4	2.075(9)	C1—N1	1.428(14)
Zn1—O6 <sup>h</sup>	1.953(7)	O1—S1	1.508(7)	C1—C2	1.431(16)
Zn1—O7	1.939(7)	O2—S1	1.538(7)	C2—N2	1.428(16)
Zn2—O2	1.934(8)	O3—S1	1.513(8)	C3—C4	1.421(17)
Zn2—O3 <sup>i</sup>	1.962(7)	O4—S2	1.528(7)	C3—N1	1.453(14)
Zn2—O5	1.954(7)	O5—S2	1.501(7)	C4—N3	1.453(15)
Zn2—O9 <sup>j</sup>	1.936(7)	O6—S2	1.526(7)	C5—C6	1.404(16)
Zn3—O8	2.037(8)	O7—S3	1.506(8)	C5—N1	1.462(13)
Zn3—N1	2.262(9)	O8—S3	1.505(7)	C6—N4	1.445(14)
Zn3—N2	2.024(9)				
O1—Zn1—O4	117.5(3)	N2—Zn3—N3	119.7(3)	C2—N2—Zn3	113.5(8)
O1—Zn1—O6 <sup>h</sup>	110.5(3)	N2—Zn3—N4	115.3(3)	C4—N3—Zn3	113.5(8)
O1—Zn1—O7	113.1(3)	N3—Zn3—N4	116.8(3)	C6—N4—Zn3	112.2(7)
O4—Zn1—O6 <sup>h</sup>	104.7(3)	O1—S1—O3	103.7(4)	S2—O4—Zn1	122.9(4)
O4—Zn1—O7	98.6(3)	O1—S1—O2	105.1(4)	S2—O5—Zn2	129.3(4)
O7—Zn1—O6 <sup>h</sup>	111.7(3)	O2—S1—O3	104.5(5)	S2—O6—Zn1 <sup>h</sup>	128.7(4)
O2—Zn2—O3 <sup>i</sup>	105.7(4)	O4—S2—O5	105.1(4)	S3—O7—Zn1	136.3(5)
O2—Zn2—O5	117.7(3)	O6—S2—O4	105.6(4)	S3—O8—Zn3	133.2(5)
O2—Zn2—O9 <sup>j</sup>	103.2(4)	O5—S2—O6	104.8(4)	S3—O9—Zn2 <sup>j</sup>	135.6(5)
O3 <sup>i</sup> —Zn2—O5	108.3(3)	O8—S3—O9	106.4(5)	S1—O1—Zn1	131.3(4)
O3 <sup>i</sup> —Zn2—O9 <sup>j</sup>	111.8(3)	O7—S3—O9	101.1(5)	S1—O2—Zn2	126.8(5)
O5—Zn2—O9 <sup>j</sup>	110.0(3)	O7—S3—O8	106.2(5)	S1—O3—Zn2 <sup>i</sup>	129.4(4)
N1—Zn3—O8	174.7(3)	C1—N1—C3	113.7(10)	N1—C1—C2	114.6(11)
N2—Zn3—O8	104.4(4)	C1—N1—C5	112.3(10)	N2—C2—C1	115.8(11)
N3—Zn3—O8	94.8(3)	C3—N1—C5	111.6(11)	C4—C3—N1	116.7(11)
N4—Zn3—O8	99.6(3)	C1—N1—Zn3	106.9(7)	C3—C4—N3	114.7(11)
N1—Zn3—N2	80.1(3)	C3—N1—Zn3	106.0(7)	C6—C5—N1	116.3(11)
N1—Zn3—N3	80.5(4)	C5—N1—Zn3	105.7(7)	C5—C6—N4	116.6(10)
N1—Zn3—N4	80.7(3)				

<sup>#</sup>Symmetry transformations used to generate equivalent atoms: (a)  $-x, y, -z+3/2$ ; (b)  $-x+1, y-1/2, -z-1/2$ ; (c)  $x, -y+1/2, z-1/2$ ; (d)  $-x+1, -y+1, -z-1$ ; (e)  $-x+1, -y+1, -z$ ; (f)  $-x+1, y+1/2, -z-1/2$ ; (g)  $x, -y+1/2, z+1/2$ ; (h)  $-x, -y, -z+1$ ; (i)  $-x-1, -y, -z+1$ ; (j)  $-x, -y, -z$

**Table S3.** Atomic coordinates ( $\times 10^4$ ) and equivalent isotropic displacement parameters ( $\text{\AA}^2 \times 10^3$ ) for **1-3**  $U(\text{eq})$  is defined as one third of the trace of the orthogonalized  $U_{ij}$  tensor.

	x	y	z	$U(\text{eq})$
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>3</sub>], 1</b>				
Co1	0	2274(1)	7500	14(1)
S1	1609(1)	3330(1)	7664(1)	17(1)
Na1	0	5444(1)	7500	29(1)
C1	1725(4)	1256(2)	6117(3)	27(1)
C2	548(4)	1491(2)	5156(3)	28(1)
C3	735(4)	306(2)	7691(4)	31(1)
N1	1313(3)	1226(2)	7400(2)	20(1)
N2	-164(3)	2288(2)	5649(2)	20(1)
O1	1290(2)	4177(2)	8377(2)	23(1)
O2	1871(2)	3614(2)	6392(2)	25(1)
O3	2799(2)	2871(2)	8363(2)	26(1)
O1w	0	7049(3)	7500	44(1)
O2w	-1353(3)	5504(2)	9079(2)	32(1)
<b>[(C<sub>3</sub>N<sub>2</sub>H<sub>10</sub>)<sub>2</sub>NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>].H<sub>2</sub>O, 2</b>				
Co1	5000	5000	-5000	15(1)
Co2	5000	5000	0	14(1)
Na1	4834(1)	2431(1)	-2503(1)	25(1)
S1	4543(1)	4937(1)	-3474(1)	22(1)
S2	4082(1)	3455(1)	-78(1)	17(1)
C1	1908(3)	6121(2)	-5702(2)	50(1)
C2	1308(3)	5246(2)	-6281(2)	45(1)
C3	1623(3)	4321(2)	-5741(2)	45(1)
C4	7959(2)	4474(2)	-680(2)	29(1)
C5	8422(2)	3880(2)	250(2)	32(1)
C6	8309(2)	4454(2)	1151(2)	31(1)
N1	3610(2)	6151(1)	-5296(1)	23(1)
N2	3294(2)	4055(1)	-5461(1)	22(1)
N3	6261(2)	4675(1)	-951(1)	20(1)
N4	6663(2)	4657(1)	1181(1)	22(1)
O1	5155(2)	4010(1)	-2993(1)	42(1)
O2	2852(2)	4993(1)	-3508(1)	45(1)
O3	5354(2)	5758(1)	-2869(1)	25(1)
O4	4399(2)	2965(1)	-961(1)	30(1)
O5	4913(2)	2926(1)	825(1)	26(1)
O6	2379(2)	3397(1)	-122(1)	31(1)
O1w	7469(2)	2068(2)	-1853(2)	56(1)
O2w	2003(2)	2793(2)	-3405(2)	48(1)
O3w	10289(2)	2917(2)	-1914(2)	49(1)
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)Zn<sub>3</sub>(SO<sub>3</sub>)<sub>3</sub>], 3</b>				
Zn1	-17(1)	-905(1)	3618(1)	35(1)
Zn2	-3378(1)	996(1)	3050(1)	35(1)
Zn3	3257(1)	1563(1)	-536(1)	36(1)
S1	-3313(3)	-2027(3)	5104(3)	37(1)
S2	-1229(3)	2021(3)	3932(3)	36(1)
S3	2423(3)	-1722(3)	557(3)	34(1)



C1	1797(14)	4350(14)	-1233(18)	65(4)
C2	1056(16)	3346(15)	-1368(18)	72(4)
C3	4502(15)	4347(14)	-2848(15)	71(4)
C4	5721(14)	3387(14)	-3235(14)	61(4)
C5	3480(20)	4331(14)	-181(15)	76(5)
C6	3023(17)	3363(13)	1299(13)	60(4)
N1	3242(9)	3921(9)	-1294(9)	32(2)
N2	1273(10)	1920(10)	-651(9)	38(2)
N3	5274(10)	1930(11)	-2552(12)	40(2)
N4	3222(10)	1906(10)	1364(9)	42(2)
O1	-1846(8)	-1943(9)	5138(8)	45(2)
O2	-3118(9)	-1006(8)	3535(8)	46(2)
O3	-4449(8)	-1324(10)	6299(8)	53(2)
O4	-195(8)	1142(8)	2864(8)	40(2)
O5	-2753(8)	1977(8)	4017(8)	42(2)
O6	-1427(8)	1185(8)	5552(7)	42(2)
O7	882(8)	-1304(10)	1641(8)	54(2)
O8	3481(9)	-552(8)	33(9)	47(2)
O9	2189(9)	-1631(10)	-812(8)	59(3)

**Table S4.** Anisotropic displacement parameters ( $\text{\AA}^2 \times 10^3$ ) for **1-3**. The anisotropic displacement factor exponent takes the form:  $-2 \pi^2 [h^2 a^{*2} U_{11} + \dots + 2 h k a^* b^* U_{12}]$

	U11	U22	U33	U23	U13	U12
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>3</sub>], 1</b>						
Co1	14(1)	13(1)	15(1)	0	1(1)	0
S1	15(1)	17(1)	18(1)	-1(1)	2(1)	-2(1)
Na1	32(1)	22(1)	35(1)	0	7(1)	0
C1	25(2)	27(2)	28(2)	-3(1)	6(2)	7(1)
C2	36(2)	27(2)	22(2)	-6(1)	7(2)	8(2)
C3	27(2)	16(1)	51(2)	3(2)	7(2)	3(1)
N1	19(1)	17(1)	23(1)	0(1)	1(1)	2(1)
N2	17(1)	22(1)	19(1)	-2(1)	0(1)	3(1)
O1	27(1)	18(1)	24(1)	-5(1)	3(1)	0(1)
O2	30(1)	25(1)	22(1)	1(1)	9(1)	-6(1)
O3	16(1)	28(1)	33(1)	-1(1)	-2(1)	2(1)
O1w	38(3)	24(2)	77(3)	0	27(2)	0
O2w	42(2)	28(1)	24(1)	1(1)	4(1)	-2(1)
<b>[(C<sub>3</sub>N<sub>2</sub>H<sub>10</sub>)<sub>2</sub>NaCo(SO<sub>3</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>].H<sub>2</sub>O, 2</b>						
Co1	21(1)	11(1)	14(1)	0(1)	5(1)	-1(1)
Co2	17(1)	12(1)	12(1)	0(1)	4(1)	-1(1)
Na1	37(1)	17(1)	22(1)	0(1)	10(1)	1(1)
S1	35(1)	18(1)	14(1)	-2(1)	10(1)	-6(1)
S2	24(1)	12(1)	18(1)	-1(1)	8(1)	-3(1)
C1	32(1)	30(1)	77(2)	-7(1)	-8(1)	7(1)
C2	32(1)	37(1)	56(2)	-1(1)	-10(1)	0(1)
N4	24(1)	22(1)	18(1)	3(1)	3(1)	-2(1)
O1	92(1)	16(1)	22(1)	3(1)	19(1)	-3(1)
O2	33(1)	71(1)	35(1)	-14(1)	19(1)	-14(1)
O3	40(1)	17(1)	18(1)	-4(1)	8(1)	-2(1)
O4	50(1)	21(1)	23(1)	-9(1)	19(1)	-11(1)
C3	29(1)	34(1)	65(2)	-5(1)	0(1)	-6(1)
C4	26(1)	30(1)	35(1)	-3(1)	16(1)	1(1)
C5	26(1)	28(1)	43(1)	3(1)	9(1)	6(1)
C6	21(1)	37(1)	31(1)	6(1)	0(1)	0(1)
N1	27(1)	16(1)	25(1)	1(1)	6(1)	1(1)
N2	26(1)	17(1)	24(1)	-3(1)	8(1)	-4(1)
N3	25(1)	19(1)	18(1)	-2(1)	9(1)	-3(1)
O5	39(1)	18(1)	22(1)	6(1)	9(1)	1(1)
O6	24(1)	26(1)	43(1)	-2(1)	10(1)	-6(1)
O1w	32(1)	49(1)	87(2)	6(1)	13(1)	-3(1)
O2w	47(1)	56(1)	48(1)	-7(1)	24(1)	-5(1)
O3w	33(1)	71(1)	44(1)	0(1)	9(1)	-8(1)
<b>[(C<sub>6</sub>N<sub>4</sub>H<sub>18</sub>)Zn<sub>3</sub>(SO<sub>3</sub>)<sub>3</sub>], 3</b>						
C1	46(8)	75(10)	102(11)	-34(8)	-51(8)	6(7)
C2	56(9)	79(11)	115(13)	-37(9)	-62(10)	10(8)
C3	59(9)	60(9)	55(9)	-14(7)	2(7)	-4(7)
C4	38(8)	73(10)	45(8)	-25(7)	5(6)	4(7)
C5	134(15)	64(9)	69(10)	-21(8)	-78(11)	6(9)
C6	98(12)	62(9)	45(8)	-26(6)	-43(8)	-2(8)

N1	26(5)	54(6)	20(4)	-19(4)	-12(4)	6(4)
N2	35(5)	57(6)	28(5)	-23(4)	-12(4)	0(4)
N3	31(5)	60(6)	42(5)	-25(5)	-22(5)	7(5)
N4	36(6)	62(6)	28(5)	-13(4)	-17(4)	2(5)
O1	24(4)	83(6)	24(4)	-9(4)	-11(3)	-3(4)
O2	55(5)	67(5)	26(4)	-13(4)	-24(4)	-6(4)
O3	29(4)	113(7)	32(4)	-37(4)	-17(4)	8(4)
O4	39(4)	59(5)	24(4)	-23(3)	-10(3)	4(4)
O5	30(4)	78(6)	38(4)	-37(4)	-24(4)	13(4)
O6	28(4)	83(6)	17(4)	-20(4)	-9(3)	2(4)
O7	30(4)	110(7)	35(5)	-48(5)	-6(4)	-8(4)
O8	41(5)	59(5)	50(5)	-20(4)	-23(4)	-11(4)
O9	40(5)	126(8)	18(4)	-31(4)	-8(4)	-20(5)
S1	29(2)	60(2)	27(1)	-17(1)	-12(1)	-3(1)
S2	31(2)	59(2)	28(1)	-23(1)	-17(1)	6(1)
S3	31(2)	57(2)	22(1)	-20(1)	-13(1)	0(1)
Zn1	27(1)	67(1)	22(1)	-23(1)	-12(1)	0(1)
Zn2	26(1)	63(1)	23(1)	-22(1)	-12(1)	0(1)
Zn3	32(1)	54(1)	30(1)	-19(1)	-16(1)	0(1)