

Electronic Supplementary Information (ESI) for

W-shaped 1,3-Di(2,4-dicarboxyphenyl)benzene Based Lanthanide Coordination Polymers with Tunable White Light Emission

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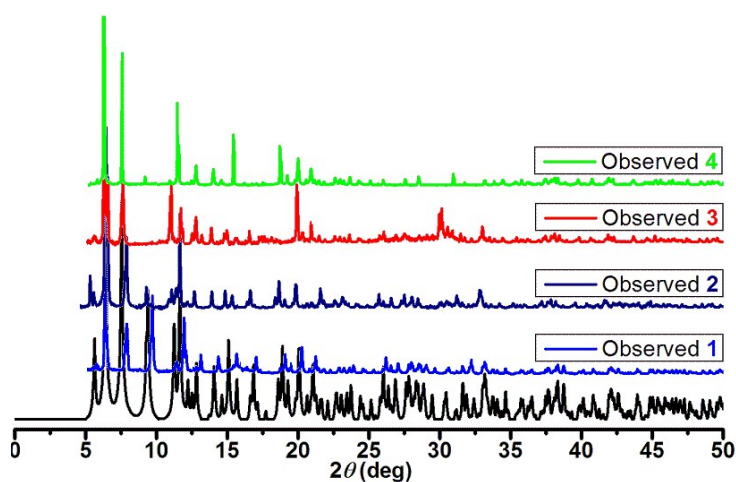
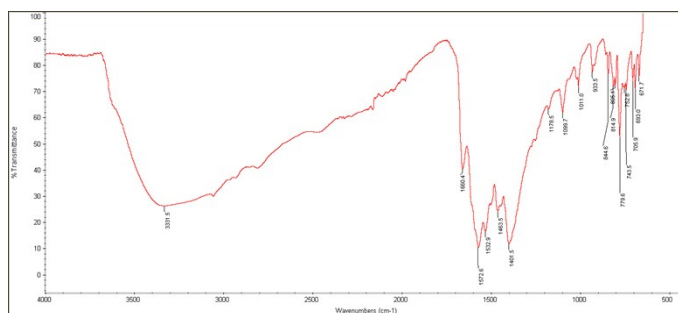
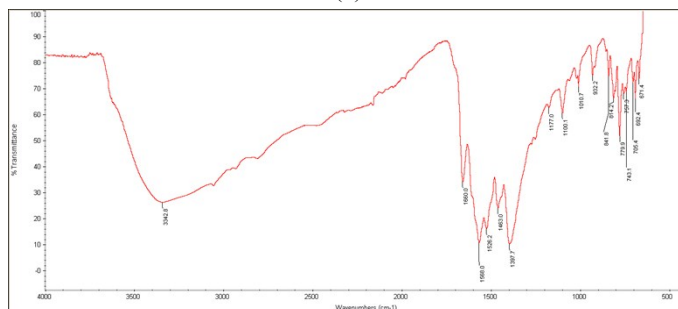


Fig. S1. PXRD patterns of 1-4.

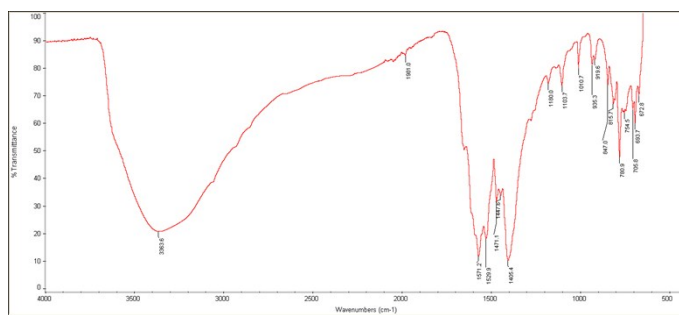
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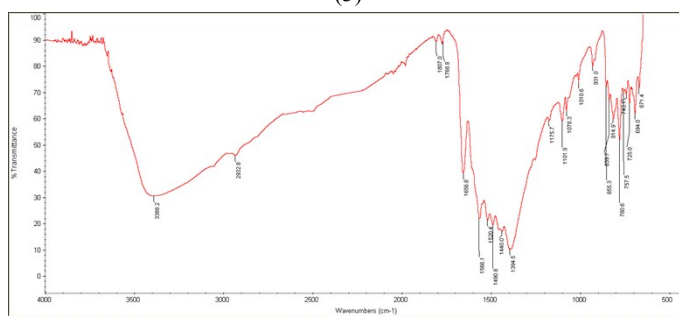
(1)



(2)



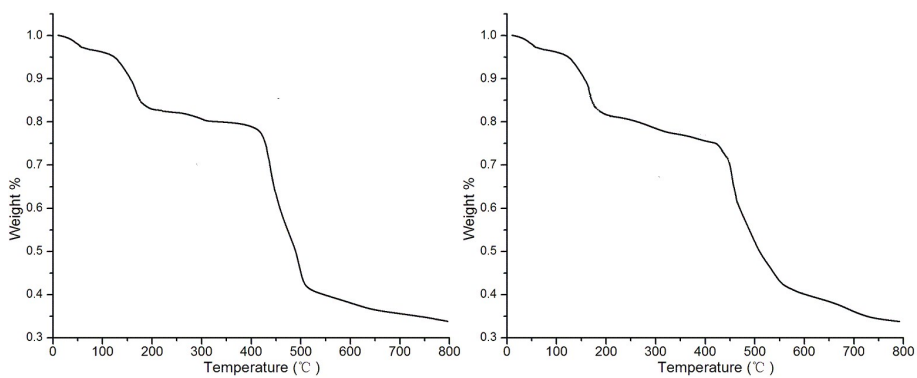
(3)



(4)

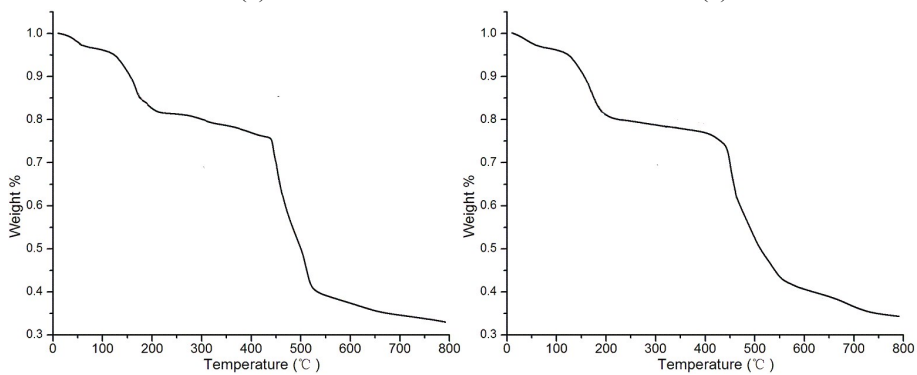
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Fig. S2 The IR spectrum of complex 1-4.



(1)

(2)



(3)

(4)

Fig. S3. TG curves of 1-4.

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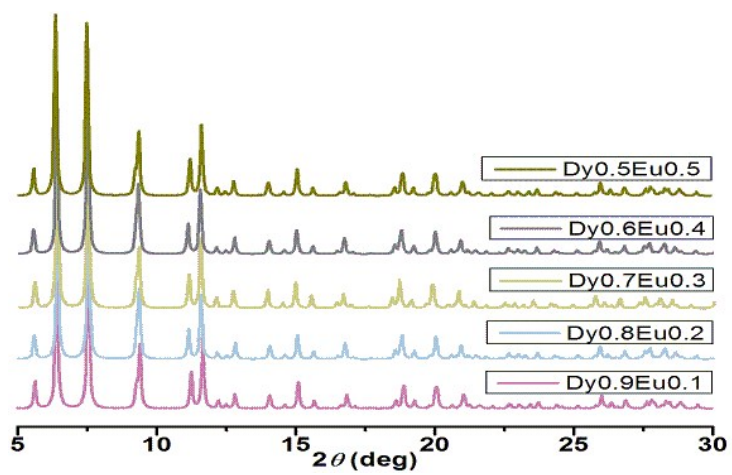


Fig. S4. XRD patterns of the Dy_xEu_{1-x} doped complexes.

O(2)-Dy(1)-O(2) ^{#3}	143.3(3)	O(4) ^{#2} -Dy(1)-O(7) ^{#3}	122.09(19)	O(7)-Dy(2)-O(3) ^{#2}	117.1(2)	O(9)-Dy(2)-O(10)	70.8(6)
O(4) ^{#1} -Dy(1)-O(12)	80.07(16)	O(2)-Dy(1)-O(7) ^{#3}	140.19(19)	O(1)-Dy(2)-O(9)	72.7(4)	O(6) ^{#4} -Dy(2)-O(10)	71.8(3)
O(4) ^{#2} -Dy(1)-O(12)	80.07(16)	O(2) ^{#3} -Dy(1)-O(7) ^{#3}	70.84(18)	O(7)-Dy(2)-O(9)	144.1(4)	O(11)-Dy(2)-O(10)	73.0(4)
O(2)-Dy(1)-O(12)	71.65(14)	O(12)-Dy(1)-O(7) ^{#3}	134.32(11)	O(3) ^{#2} -Dy(2)-O(9)	77.2(4)	O(1)-Dy(2)-O(5) ^{#4}	78.2(2)
O(2) ^{#3} -Dy(1)-O(12)	71.65(14)	O(8) ^{#3} -Dy(1)-O(7) ^{#3}	49.29(18)	O(1)-Dy(2)-O(6) ^{#4}	131.3(3)	O(7)-Dy(2)-O(5) ^{#4}	80.1(2)
O(4) ^{#1} -Dy(1)-O(8) ^{#3}	122.4(2)	O(8)-Dy(1)-O(7) ^{#3}	65.70(18)	O(7)-Dy(2)-O(6) ^{#4}	85.8(2)	O(3) ^{#2} -Dy(2)-O(5) ^{#4}	150.2(3)
O(4) ^{#2} -Dy(1)-O(8) ^{#3}	74.1(2)	O(4) ^{#1} -Dy(1)-O(7)	122.09(19)	O(3) ^{#2} -Dy(2)-O(6) ^{#4}	144.6(3)	O(9)-Dy(2)-O(5) ^{#4}	75.5(4)
O(2)-Dy(1)-O(8) ^{#3}	136.0(2)	O(4) ^{#2} -Dy(1)-O(7)	73.1(2)	O(9)-Dy(2)-O(6) ^{#4}	100.3(3)	O(6) ^{#4} -Dy(2)-O(5) ^{#4}	53.9(2)
O(2) ^{#3} -Dy(1)-O(8) ^{#3}	76.1(2)	O(2)-Dy(1)-O(7)	70.84(18)	O(1)-Dy(2)-O(11)	136.3(2)	O(11)-Dy(2)-O(5) ^{#4}	126.1(2)
O(12)-Dy(1)-O(8) ^{#3}	139.58(11)	O(2) ^{#3} -Dy(1)-O(7)	140.19(19)	O(7)-Dy(2)-O(11)	73.5(2)	O(10)-Dy(2)-O(5) ^{#4}	107.5(4)
O(4) ^{#1} -Dy(1)-O(8)	74.1(2)						

Symmetry codes: #1 -x, -y, z; #2 -y+1/2, x-1/2, -z+1/2; #3 y-1/2, -x+1/2, -z+1/2; #4 x, -y+1/2, -z+1/4; #5 y+1/2, x, z-1/4.
