Supporting Information

A lacuna in reticular chemistry: an unprecedented binodal (6,10)-connected network based on two distinct zinc clusters

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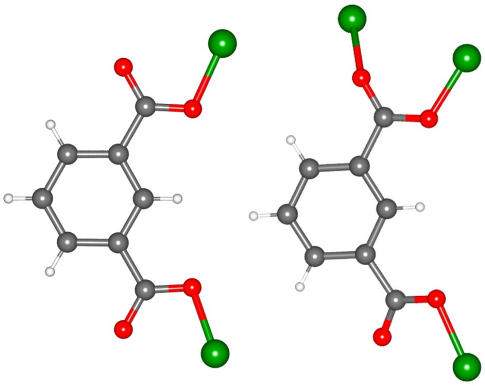

Scheme S1 Carboxylate binging modes in **1**. Left: bis(monodentate), Right: monodentate-bidentate. Color code: C black; O red; Zn green.

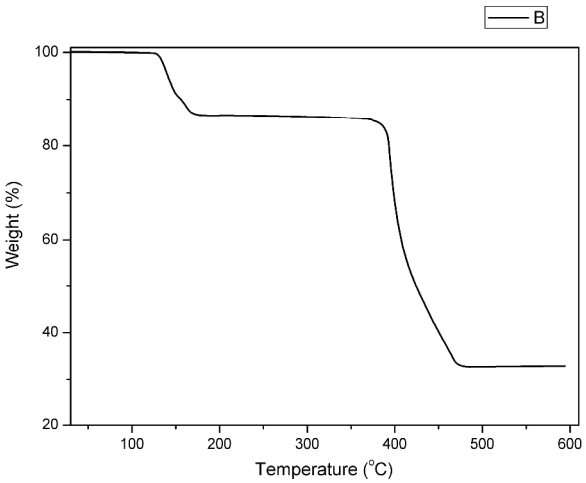

Fig. S1 TG curve of **1**.

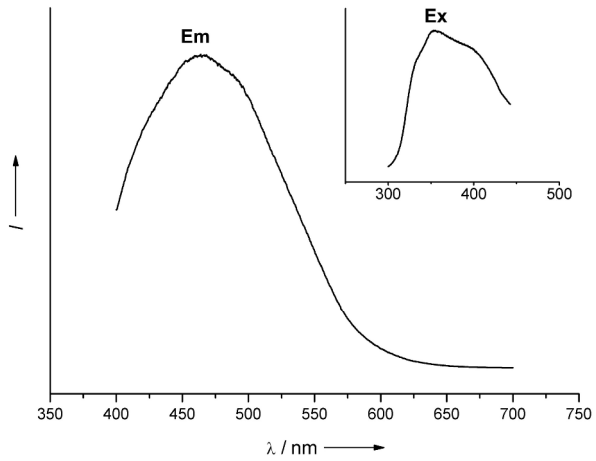

Fig. S2 Photoluminescent spectrum of **1** in the solid state at room temperature. Ex = excitation, Em = emission.

Highest symmetry group and coordinates in the relaxed cell:

Ideal space group is *C*2/*m*.

Relaxed cell parameters: 1.60185 1.23649 1.56783 90.0000 102.5567 90.0000

Relaxed positions:

Node 2: 0.00000 0.50000 0.50000

Node 1: 0.00000 0.00000 0.00000

Edges:

0.00000 0.50000 0.50000 <-> 0.50000 0.00000 0.50000

0.00000 0.00000 0.00000 <-> 0.50000 0.00000 0.50000

0.00000 0.00000 0.00000 <-> 0.00000 0.50000 0.50000

Edge centers:

0.25000 0.25000 0.50000

0.25000 0.00000 0.25000

0.00000 0.25000 0.25000