

3-Fold and 6-Fold Interpenetrating Diamond Nets Based on the Designed N,N'-Dioxide 3,3'-Benzo(c)cinnoline Dicarboxylic Acid with Highly Sensitive Luminescence Sensing for NACs and Fe³⁺ Ion

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Table of Contents Graphic and Synopsis

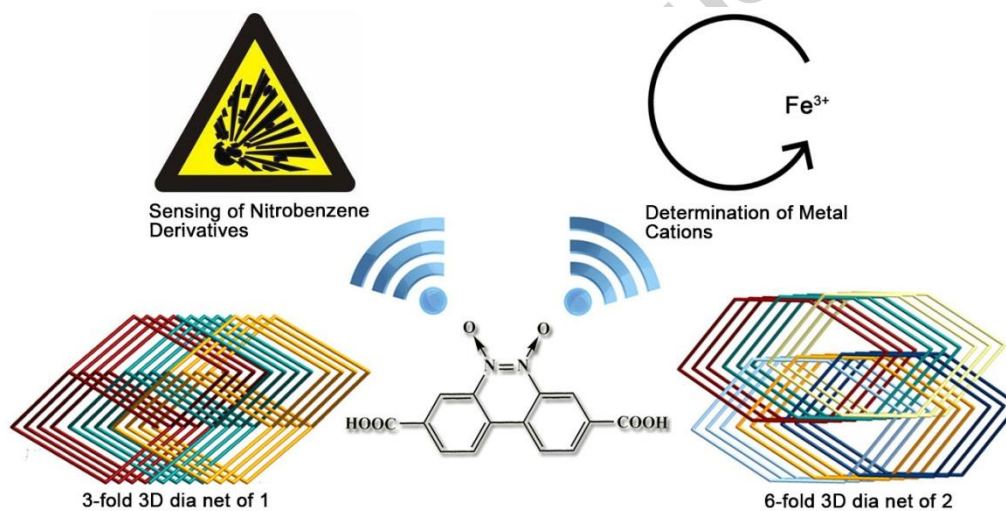
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Highlights:

- The conjugated N,N'-dioxide 3,3'-benzo(c)cinnoline dicarboxylic acid was designed firstly here.
- Two 3D diamond nets with 3-fold and 6-fold interpenetrating structures were constructed.
- Compounds **1** and **2** exhibit highly luminescence quenching to Fe^{III} ions and nitrobenzene derivatives.

Pictogram: Two topology structure of the designed 3D interesting interpenetrating diamond nets CPs with the detection capability for Fe^{III} cation and nitrobenzene derivatives.



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