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**Supporting information for article:**

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podal polyphosphonic acid organic linker**

**Ricardo F. Mendes, Ana D. G. Firmino, João P. C. Tomé and Filipe A.  
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# **Metal-Organic Framework Assembled from Erbium and a Tetrapodal Polyphosphonic Acid Organic Linker**

*A contribution from*

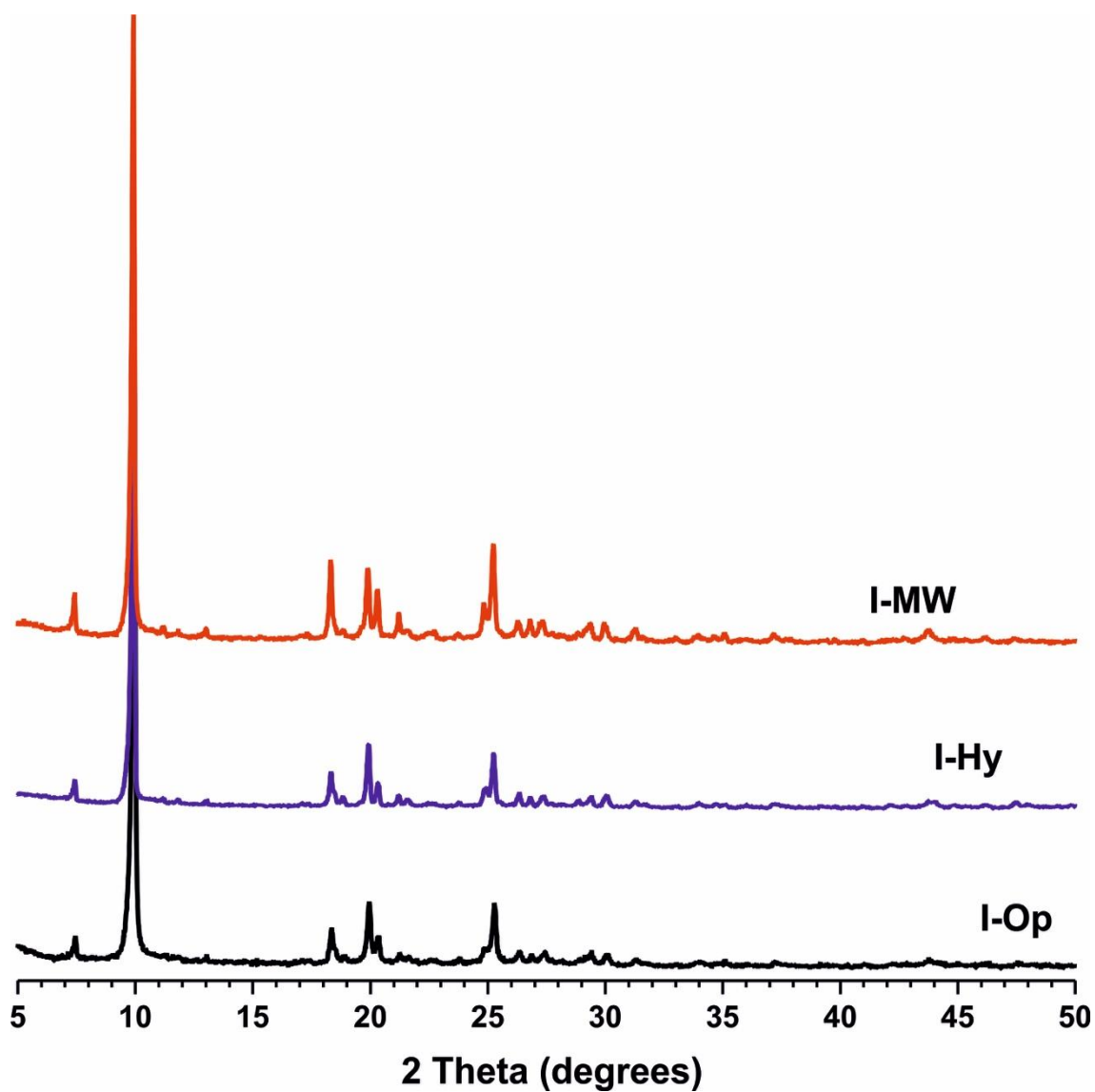
Ricardo F. Mendes,<sup>1</sup> Ana D. G. Firmino,<sup>1,2</sup>  
João P. C. Tomé,<sup>3</sup> and Filipe A. Almeida Paz<sup>1</sup>

<sup>1</sup> *Department of Chemistry, CICECO – Aveiro Institute of Materials, University of Aveiro, 3810-193 Aveiro, Portugal*

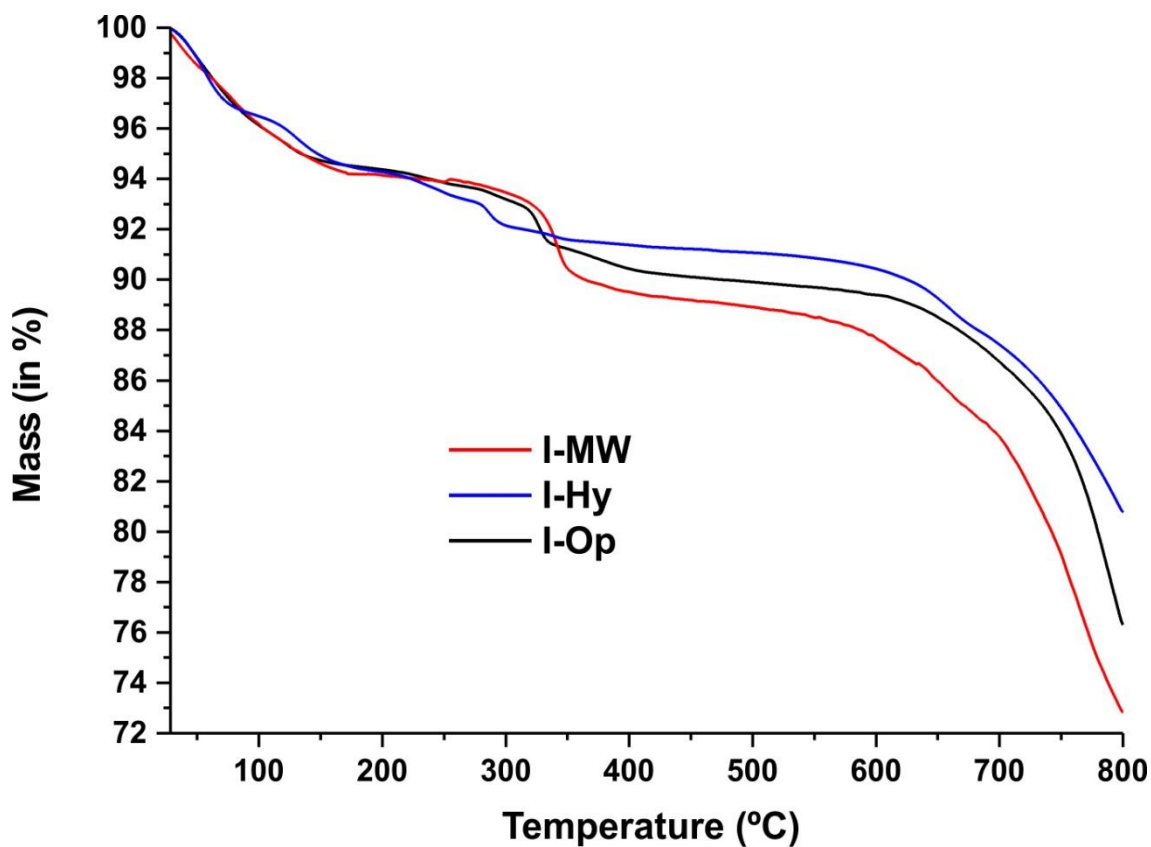
<sup>2</sup> *Department of Chemistry, QOPNA, University of Aveiro, 3810-193 Aveiro, Portugal*

<sup>3</sup> *Centro de Química Estrutural, Departamento De Engenharia Química, Instituto Superior Técnico, University of Lisbon, Avenida Rovisco Pais, 1049-001 Lisbon, Portugal*

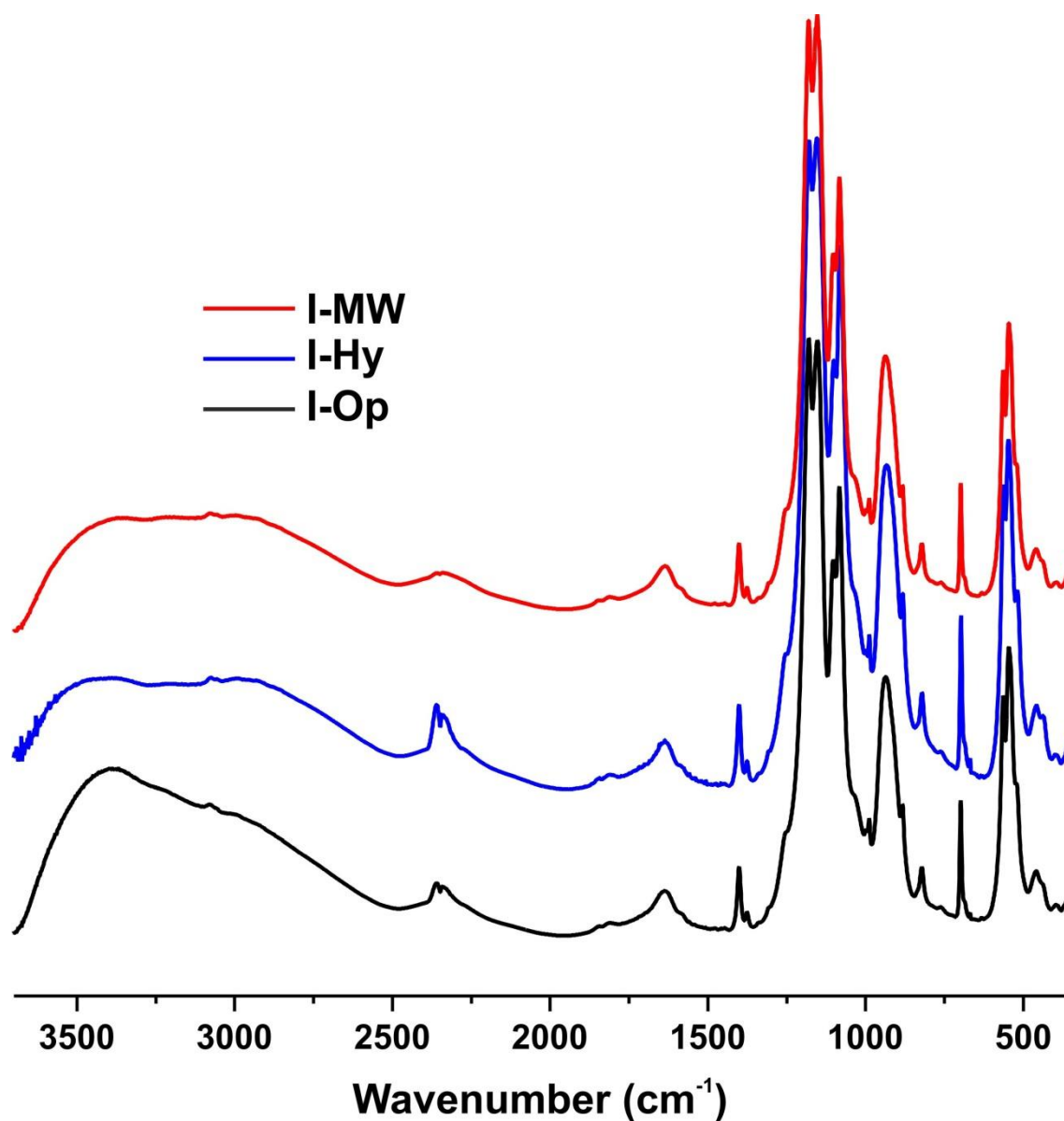
## ***Supporting Information***



**Figure S1**—Powder X-ray diffraction of the  $[\text{Er}(\text{H}_5\text{btp})]\cdot 2.5\text{H}_2\text{O}$  (I) prepared using microwave-assisted (I-MW), solvothermal (I-Hy) and one-pot (I-Op) conditions.



**Figure S2** – Thermogravimetric studies of the  $[\text{Er}(\text{H}_5\text{btp})]\cdot 2.5\text{H}_2\text{O}$  (**I**) prepared using microwave-assisted (**I-MW**), solvothermal (**I-Hy**) and one-pot (**I-Op**) conditions.



**Figure S3** – FT-IR spectra of the [Er(H<sub>5</sub>btp)]·2.5H<sub>2</sub>O (**I**) prepared using microwave-assisted (**I-MW**), solvothermal (**I-Hy**) and one-pot (**I-Op**) conditions.