

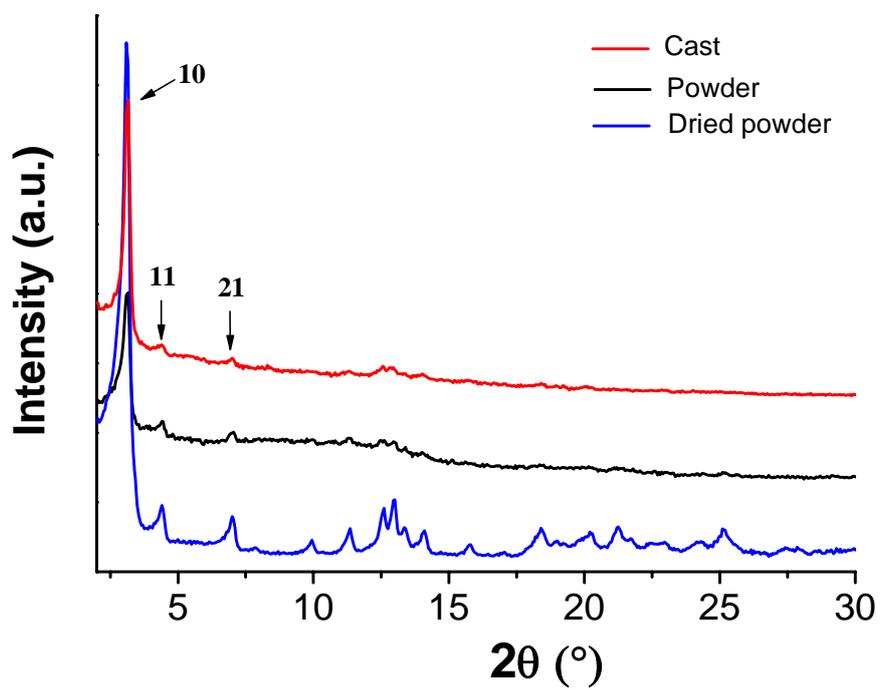
# Electronic supplementary information (ESI)

## Self-assembled nanostructures of amphiphilic Zinc(II) salophen complexes: role of the solvent on their structure and morphology

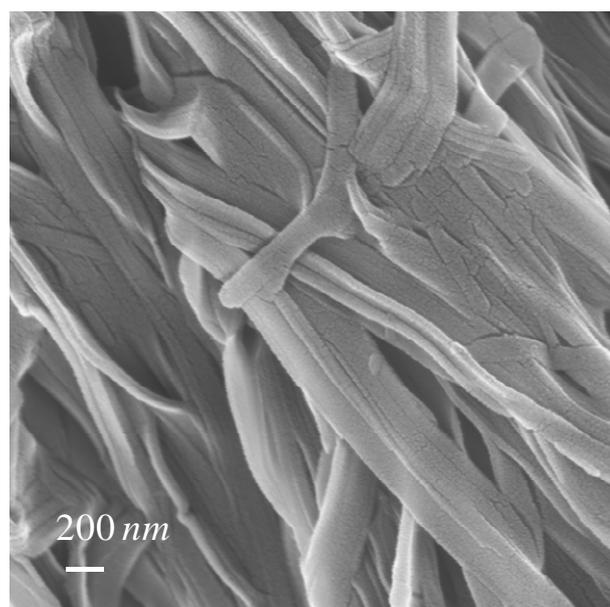
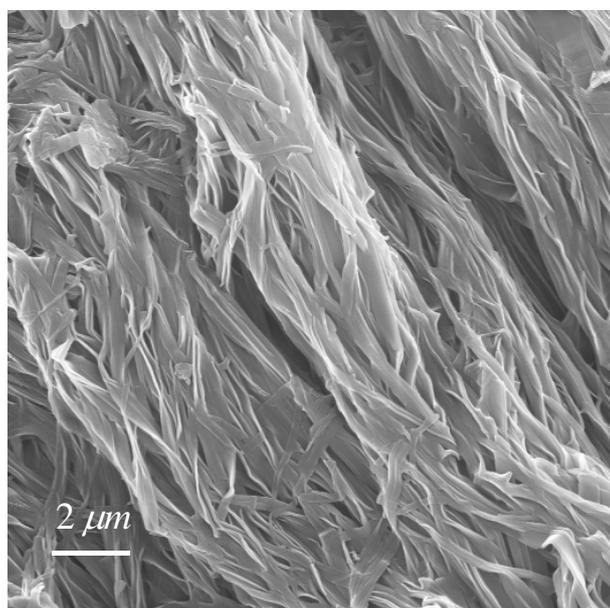
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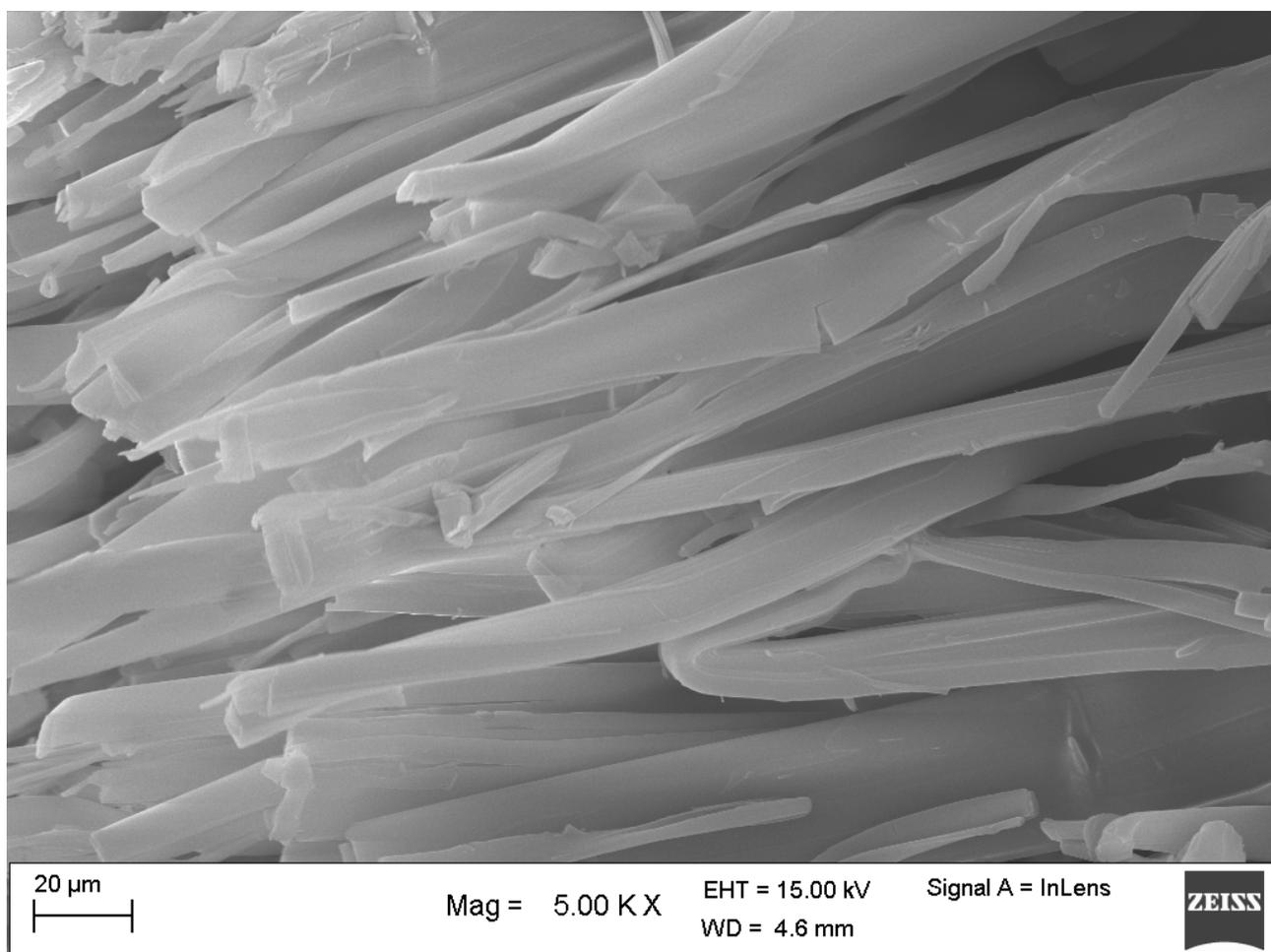
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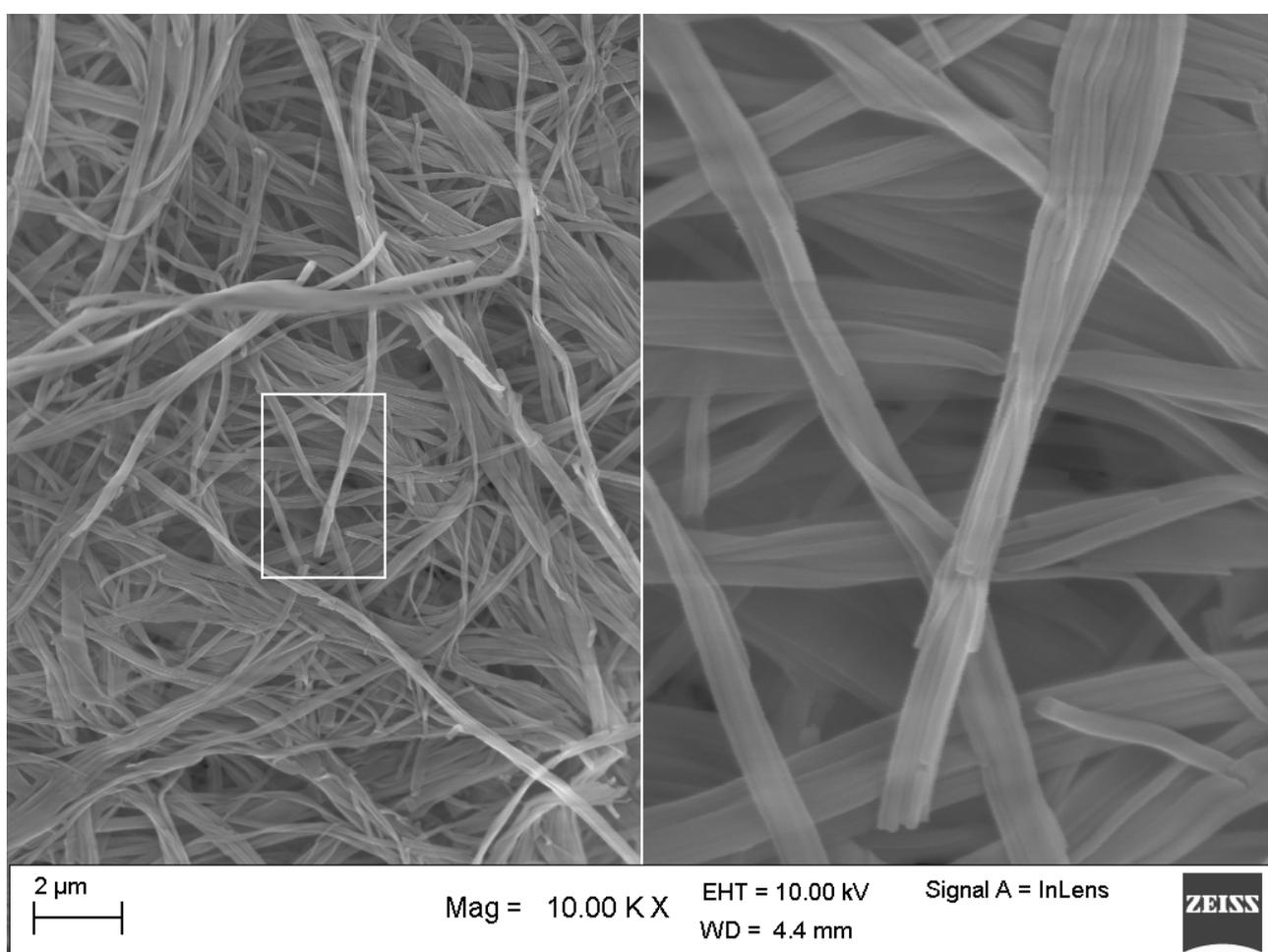
**Fig. S1** Comparison of XRD patterns of **1** obtained by casting from a DMSO solution (—) and a powder sample obtained from a DMSO solution by complete evaporation of the solvent before (—) and after (—) drying.



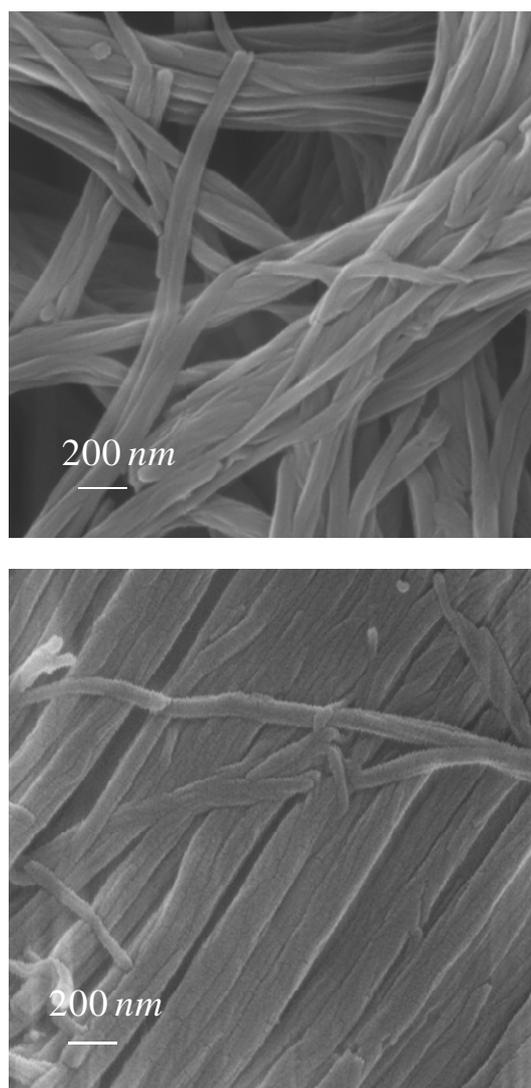
**Fig. S2** FE-SEM images at different magnifications of a dried powder sample of **1** obtained from a DMSO solution by complete evaporation of the solvent.



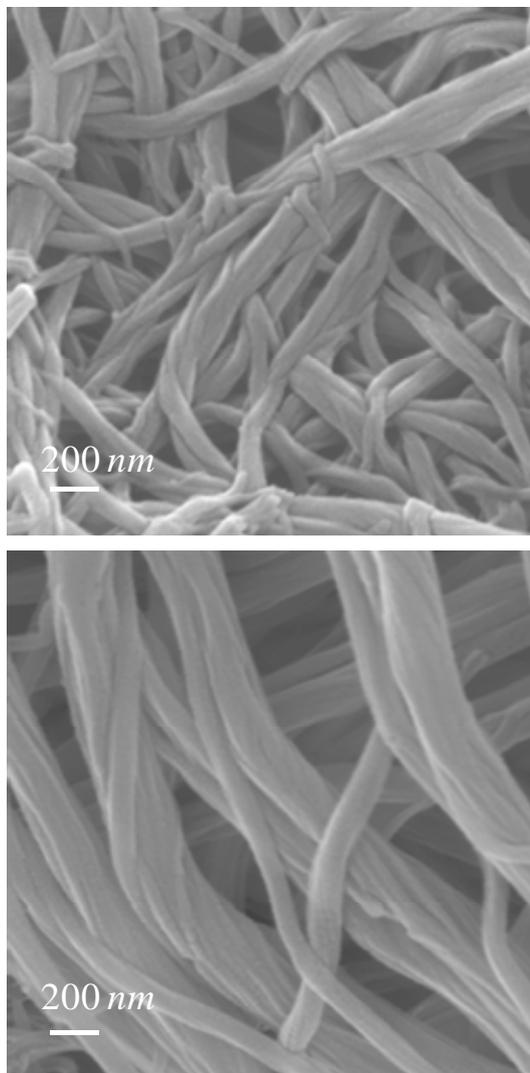
**Fig. S3** FE-SEM image of a powder sample of **1** obtained from a pyridine solution by complete evaporation of the solvent.



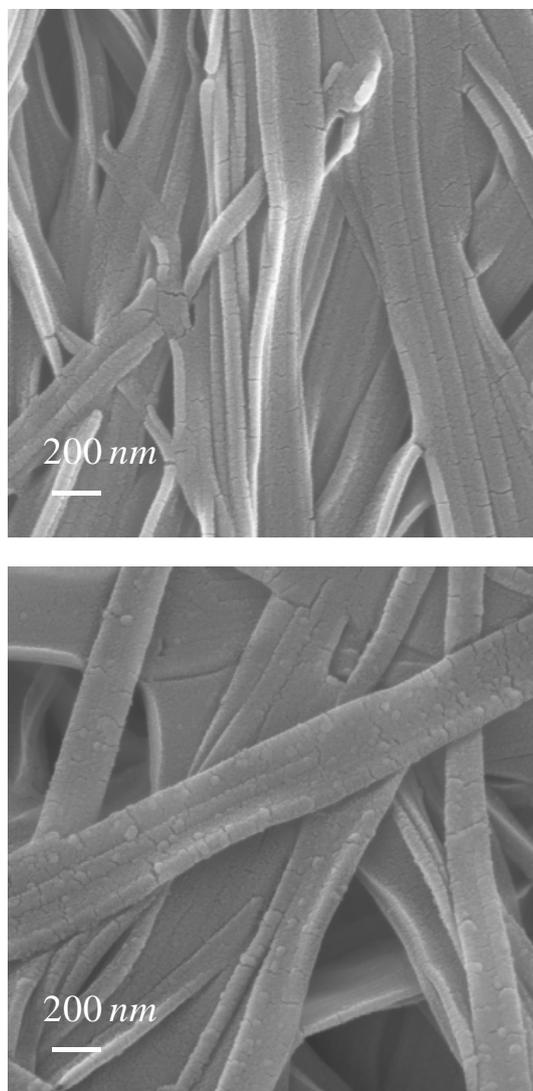
**Fig. S4** FE-SEM images at different magnifications of a powder sample of **1** obtained from an acetone solution by complete evaporation of the solvent.



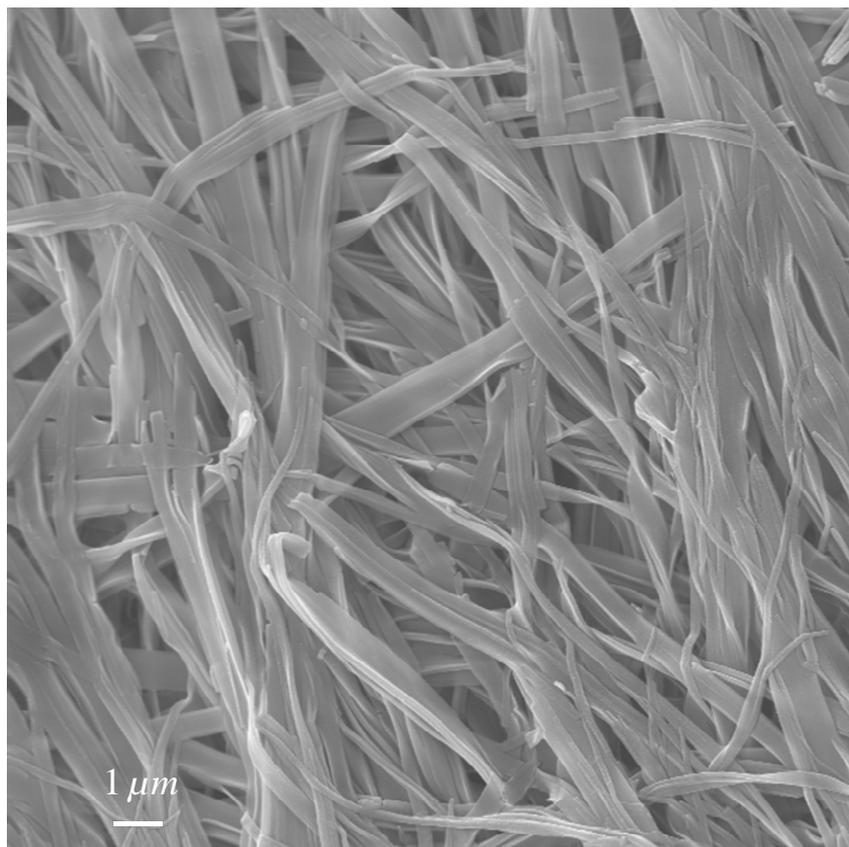
**Fig. S5** FE-SEM images of **1** obtained by casting from an ACN solution (top), and a powder sample obtained from an ACN solution by complete evaporation of the solvent (bottom).



**Fig. S6** FE-SEM images of **1** obtained by casting from an ethanol solution (top), and a powder sample obtained from an ethanol solution by complete evaporation of the solvent (bottom).



**Fig. S7** FE-SEM images of **1** obtained by casting from a DMF solution (top), and a powder sample obtained from a DMF solution by complete evaporation of the solvent (bottom).



**Fig. S8** FE-SEM image at lower magnification of a powder sample of **1** obtained from a DMF solution by complete evaporation of the solvent.