

Mesomorphic Phenanthroline Derivatives : Novel Architectures based on Hydrogen Bonding

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Supporting Information

Figure S1. FT-IR spectra (from 1400 to 1750 cm^{-1}), recorded for compound **L**¹² versus the temperature from 40 to 160°C. The measurements were carried out polished KBr disks starting from the crystalline to the isotropic phase.

Figure S2. FT-IR spectra (from 1400 to 1750 cm^{-1}), recorded for compound **1**¹⁶ versus the temperature from 40 to 160°C. The measurements were carried out polished KBr disks starting from the crystalline to the isotropic phase under the same condition as for Figure S1.

Figure S3. X-ray diffraction pattern of the palladium complex of ligand **L**¹⁶ at 70 °C and schematic representation of the packing in the smectic mesophase (Insert).