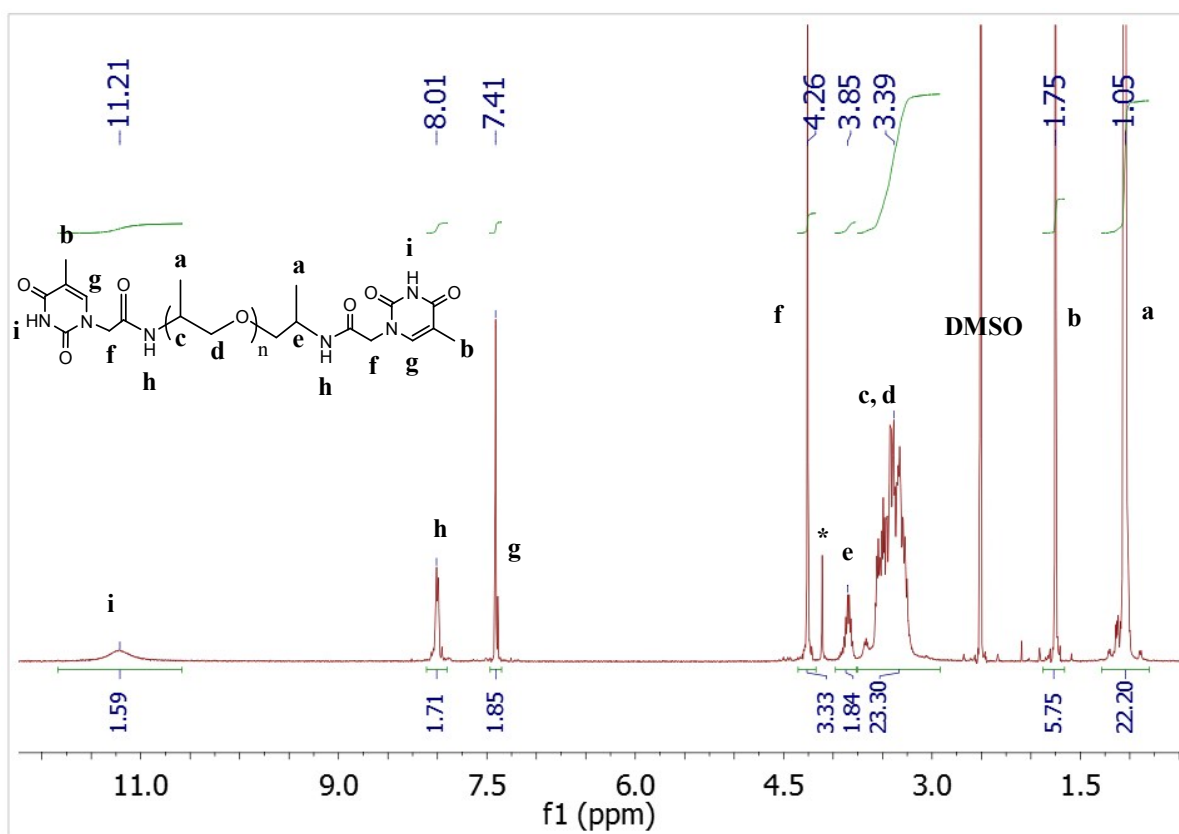


# Supporting Information for

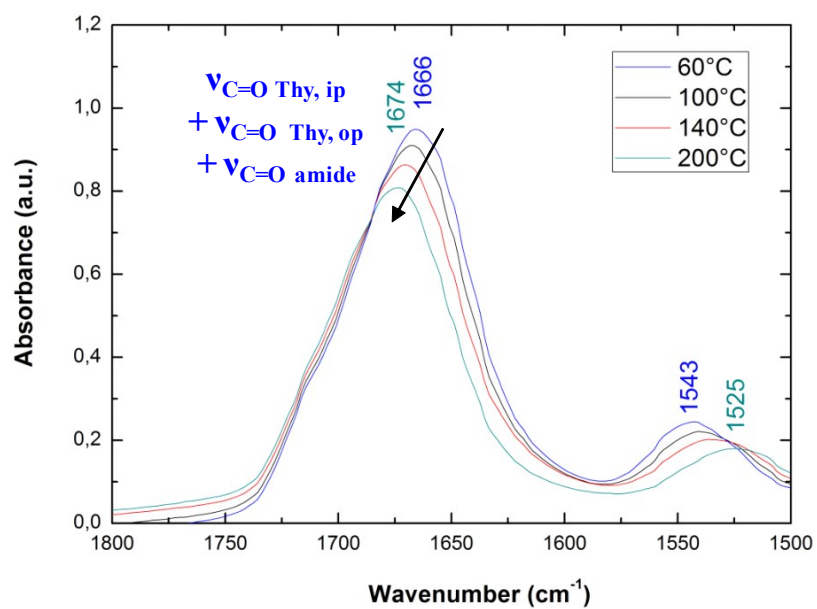
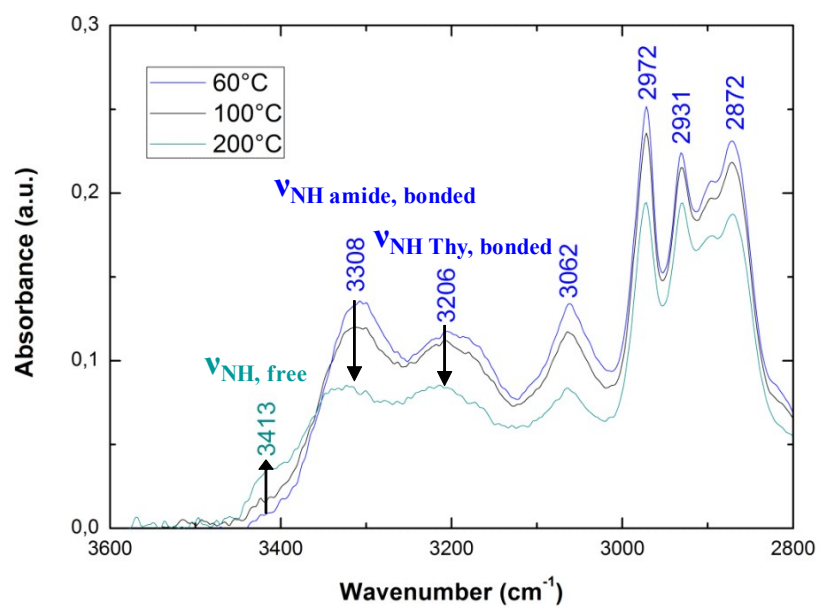
## Lamellar Mesoscopic Organization of Supramolecular Polymers: a Necessary Pre-ordering Secondary Structure

Jérémie Lacombe, Corinne Soulié-Ziakovic\*

### Thy-PPG<sub>460</sub>-Thy

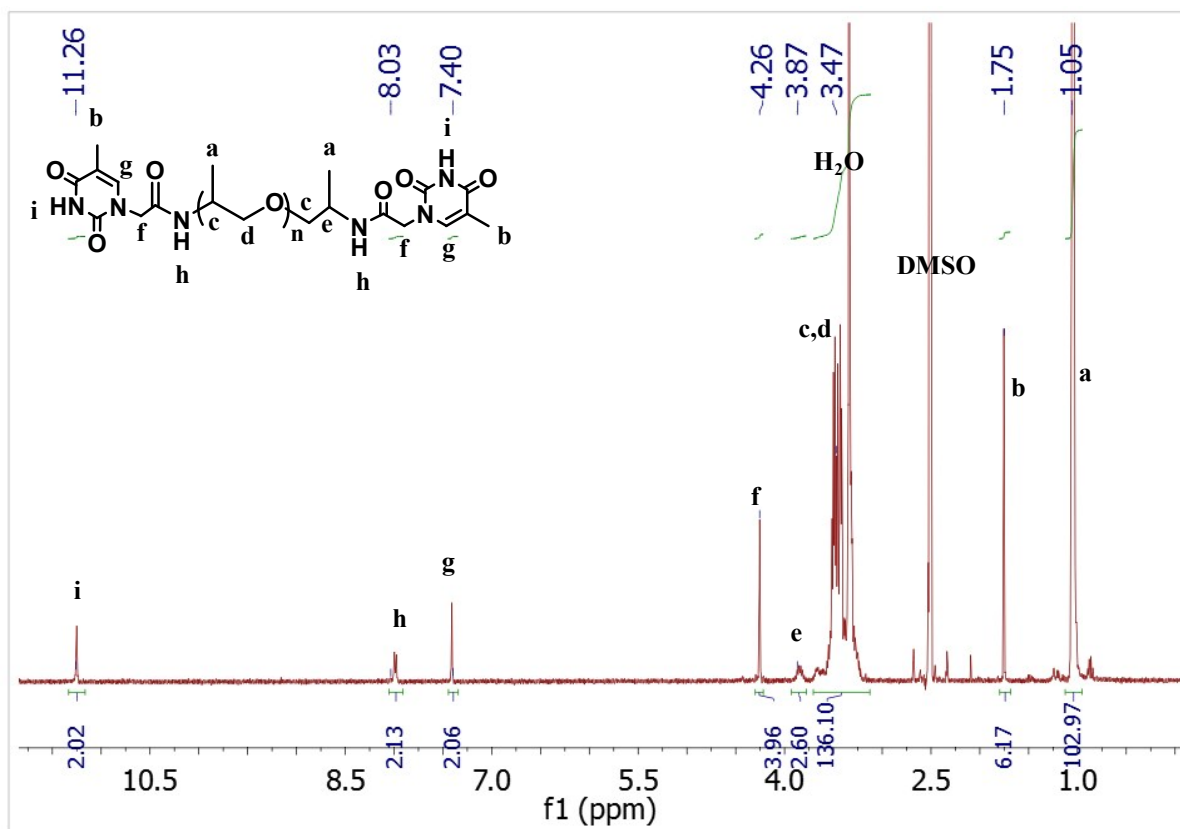


<sup>1</sup>H NMR in DMSO-d<sub>6</sub>



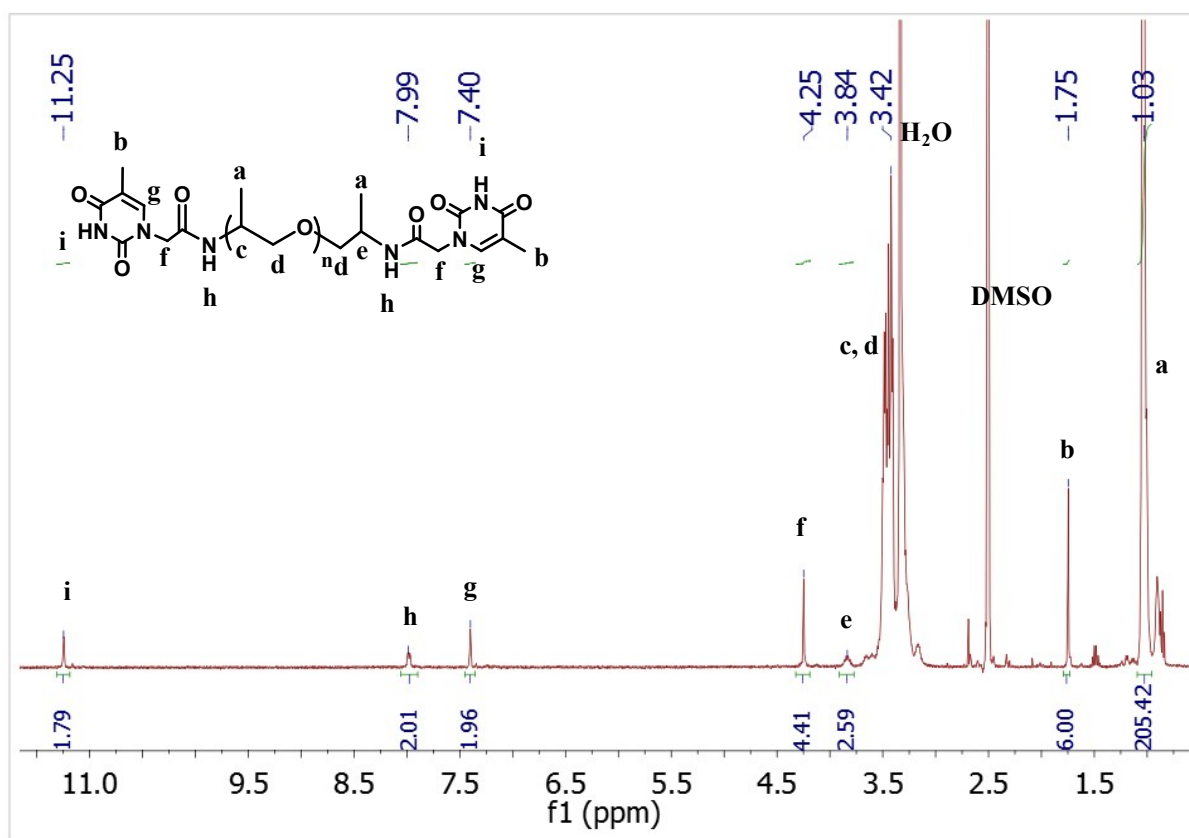
FT-IR in ATR mode at 60°C, 100°C, 140°C and 200°C

# Thy-PPG<sub>2000</sub>-Thy



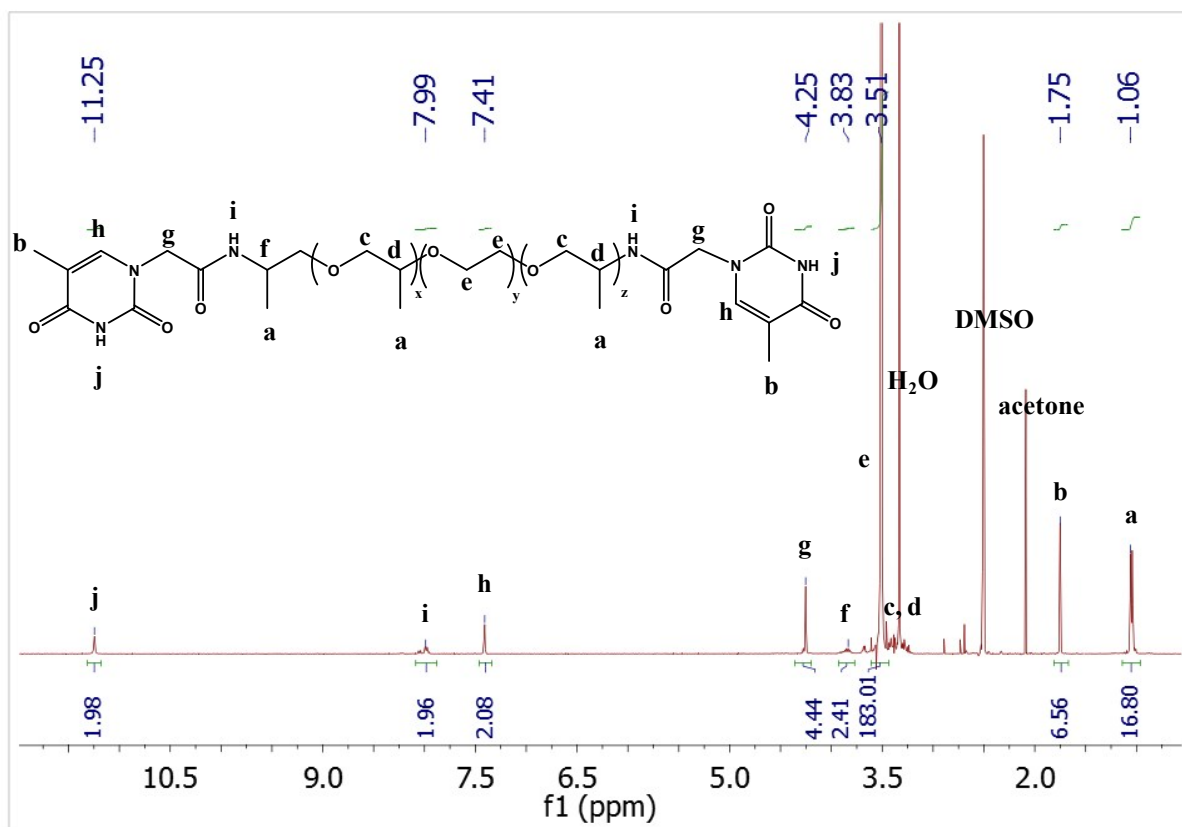
<sup>1</sup>H NMR in DMSO-d<sub>6</sub>

# Thy-PPG<sub>4000</sub>-Thy

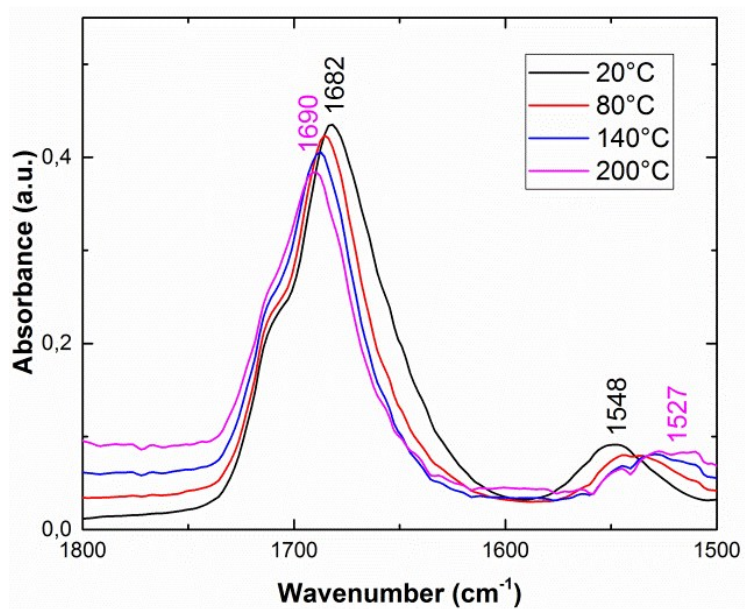
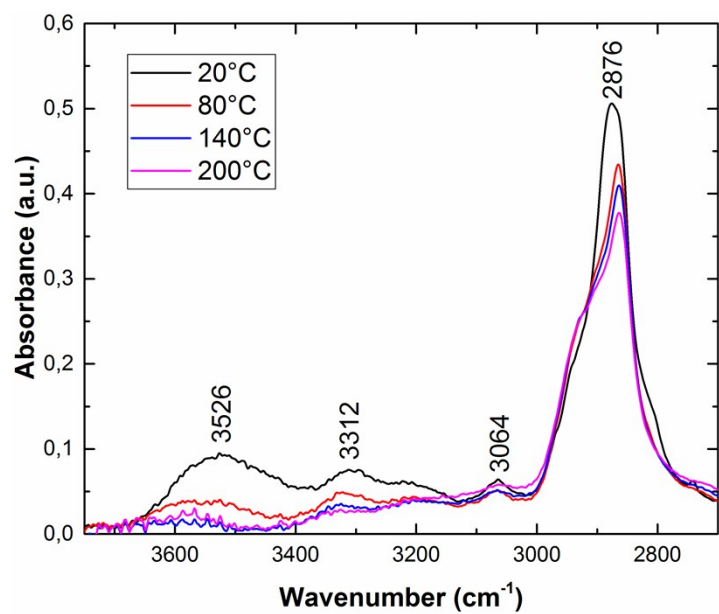


<sup>1</sup>H NMR in DMSO-d<sub>6</sub>

# Thy-PEG<sub>1900</sub>-Thy

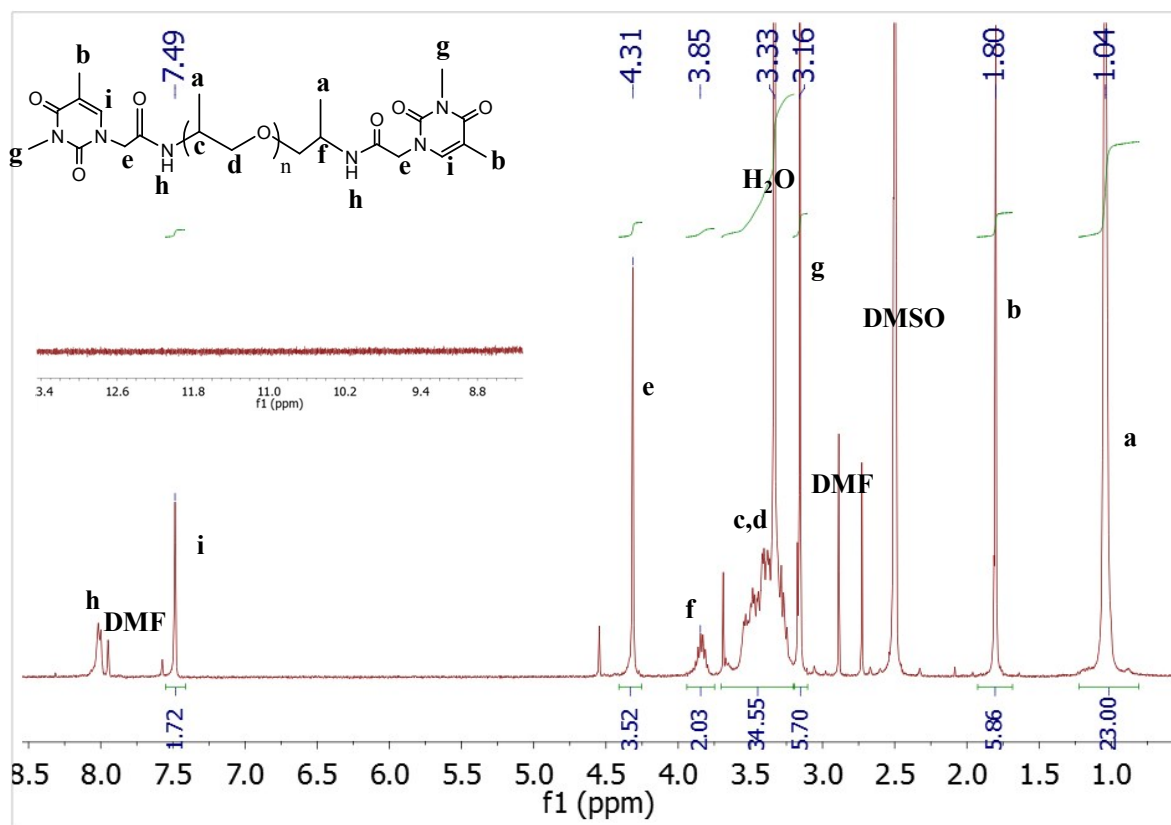


<sup>1</sup>H NMR in DMSO-d<sub>6</sub>

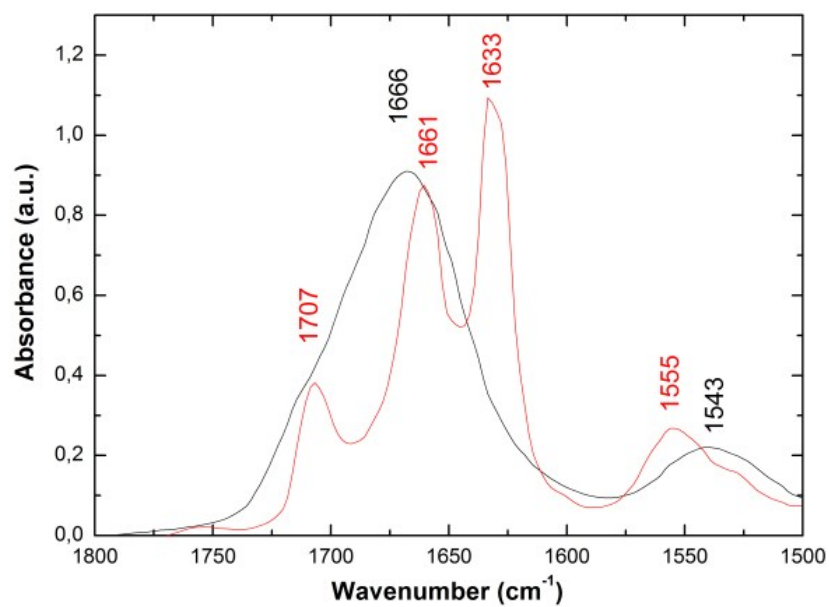
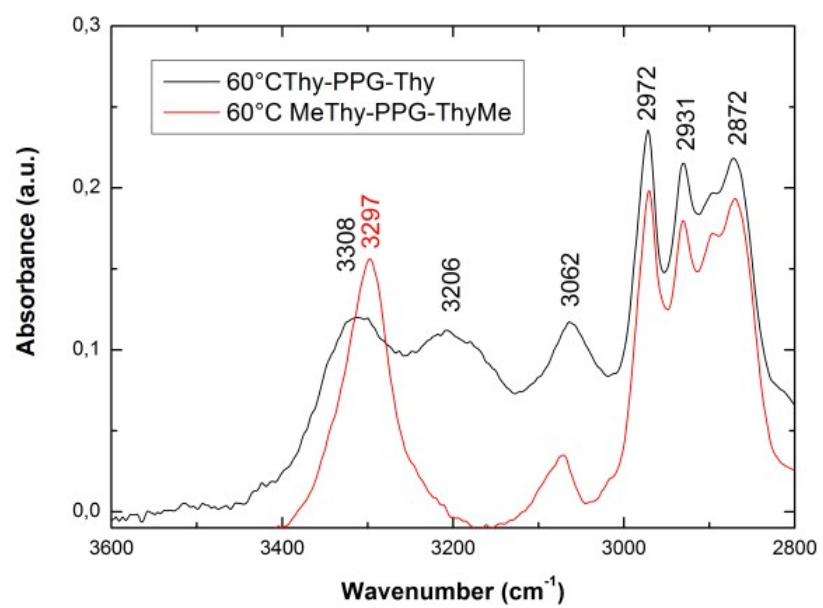


FT-IR in ATR mode at 20°C, 80°C, 140°C and 200°C

**(MeThy)<sub>2</sub>-PPG<sub>460</sub>**



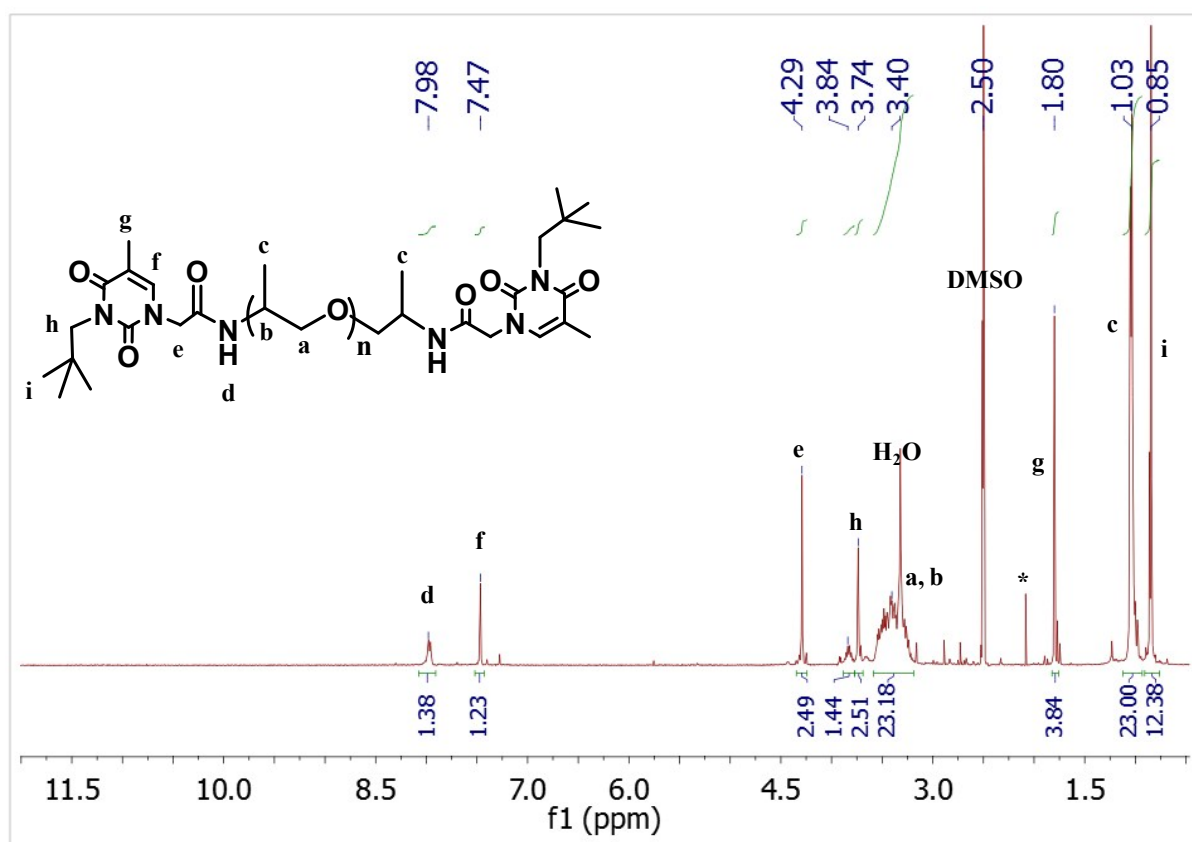
<sup>1</sup>H NMR in DMSO-d<sub>6</sub>



FT-IR in ATR mode of Thy-PPG<sub>460</sub>-Thy (black) and MeThy-PPG<sub>460</sub>-ThyMe (red) at 60°C



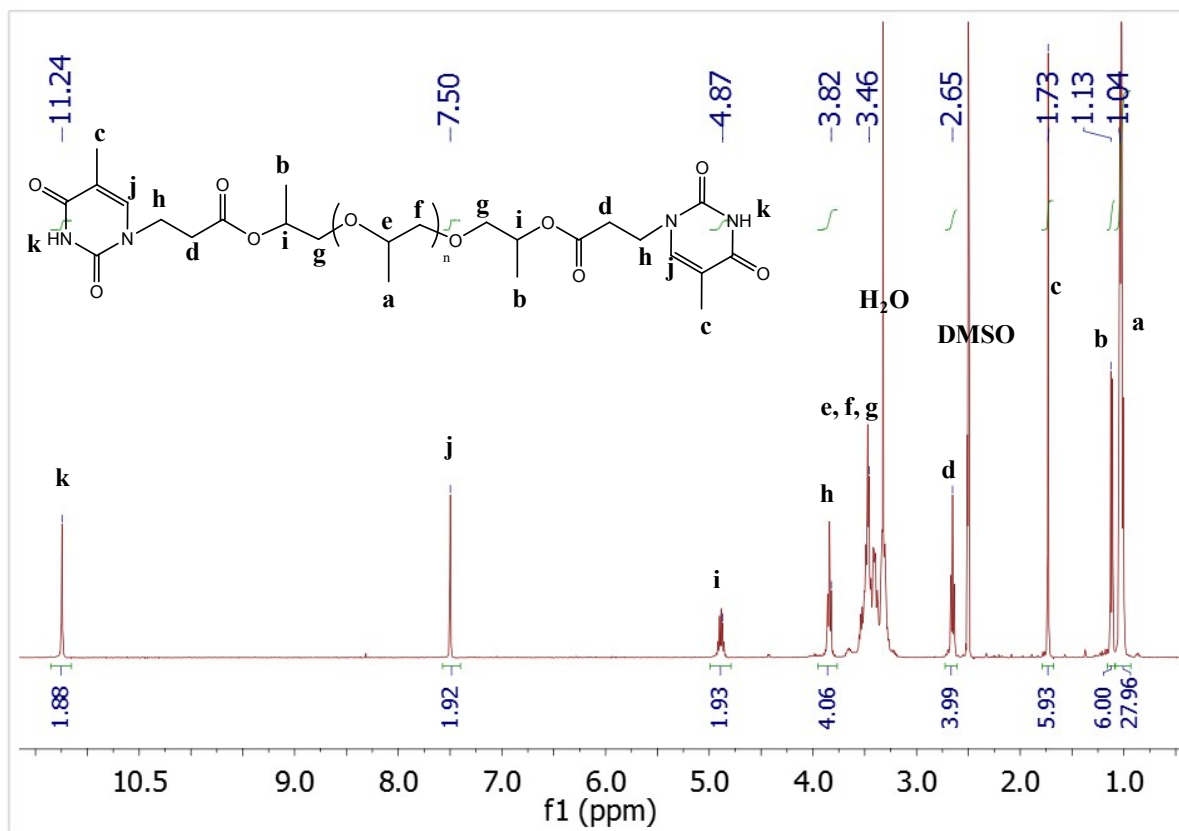
**(*t*BuThy)<sub>2</sub>-PPG<sub>460</sub>**



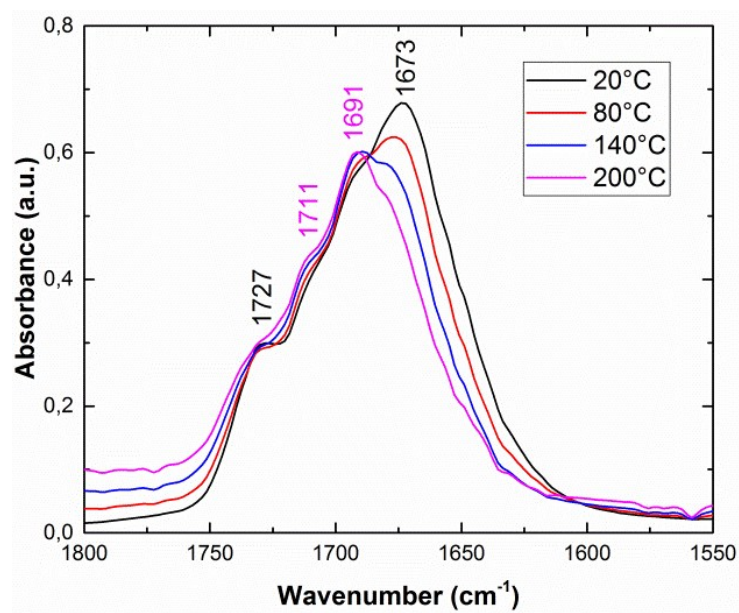
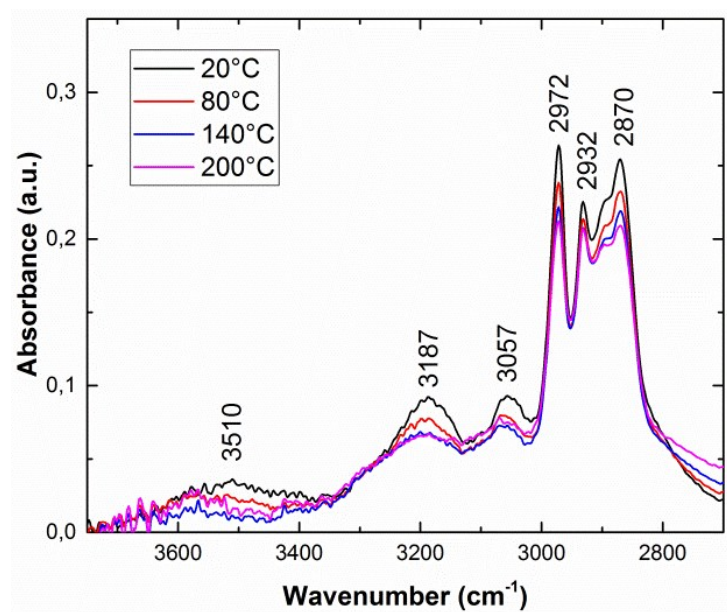
\* acetone

<sup>1</sup>H NMR in DMSO-d<sub>6</sub>

# Thy-PPG<sub>800</sub>-Thy



<sup>1</sup>H NMR in DMSO-d<sub>6</sub>



FT-IR in ATR mode at 20°C, 80°C, 140°C and 200°C