

Synthesis of liquid crystalline thioether- functionalized hydroxypropyl cellulose esters

(Supporting Information)

Peter Ohlendorf and Andreas Greiner*

Macromolecular Chemistry II and Bayreuth Center for Colloid and Interfaces,
Universität Bayreuth, Universitätsstraße 30, 95440 Bayreuth, Germany

Contents

S1 IR spectrum of HPC-MTP_80 and HPC-MTP_100.....	1
S2 SEC elugram of HPC-MTP_80 and HPC-MTP_100.....	2
S3 TGA of HPC-MTP_80 and HPC-MTP_100.....	2
S4 DSC of HPC-MTP_80 and HPC-MTP_100.....	3
S5 X-ray scattering diffractogram of HPC-MTP_80 and HPC-MTP_100.....	3
S6 UV/Vis spectrum of HPC-MTP_80 in isotropic melt.....	4

S1 IR spectrum of HPC-MTP_80 and HPC-MTP_100

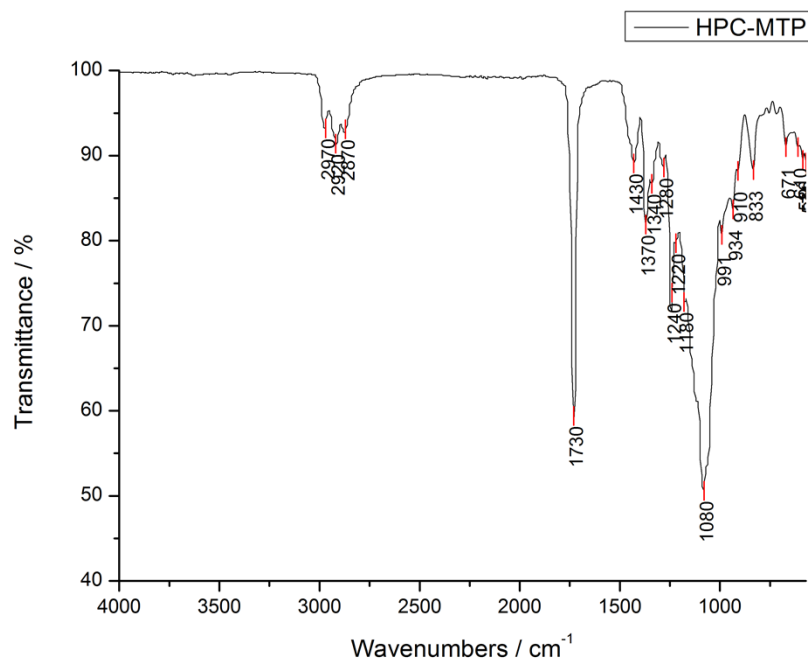


Figure S1 IR spectrum of HPC-MTP (identical for HPC-MTP_80 and HPC-MTP_100)

S2 SEC elugram of HPC-MTP_80 and HPC-MTP_100

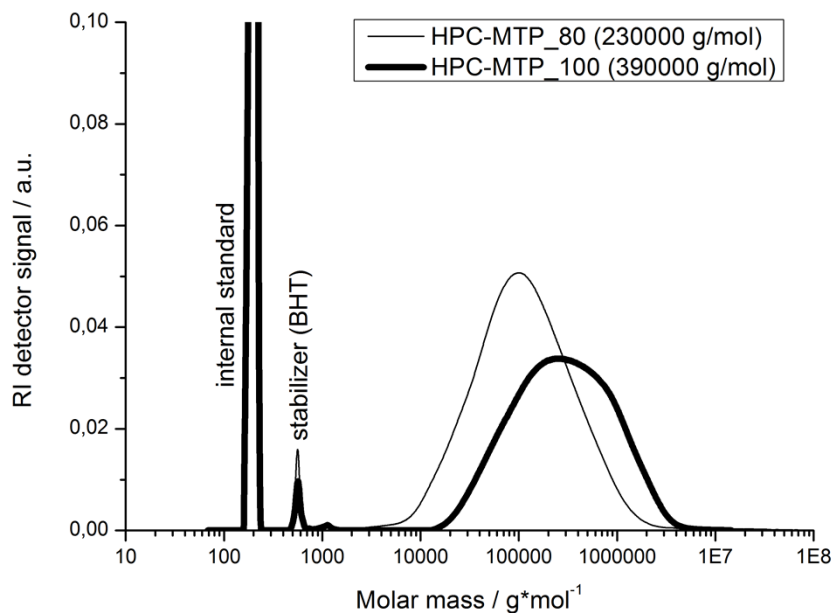


Figure S2 SEC elugram of HPC-MTP_80 and HPC-MTP_100 in THF

S3 TGA of HPC-MTP_80 and HPC-MTP_100

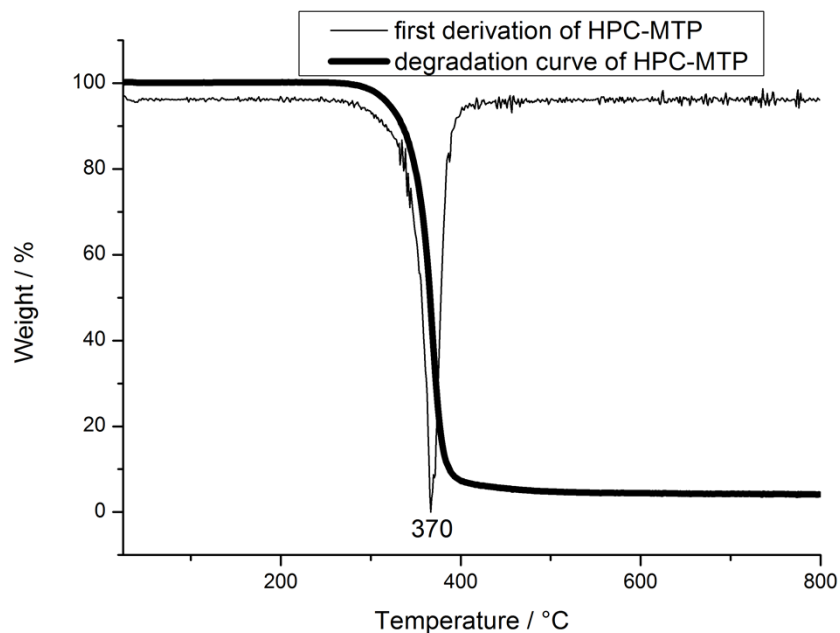


Figure S3 Degradation curve of HPC-MTP with heating rate of 10 °C / min (curves for both products are nearly identical; in terms of clarity only one curve is shown)

S4 DSC of HPC-MTP_80 and HPC-MTP_100

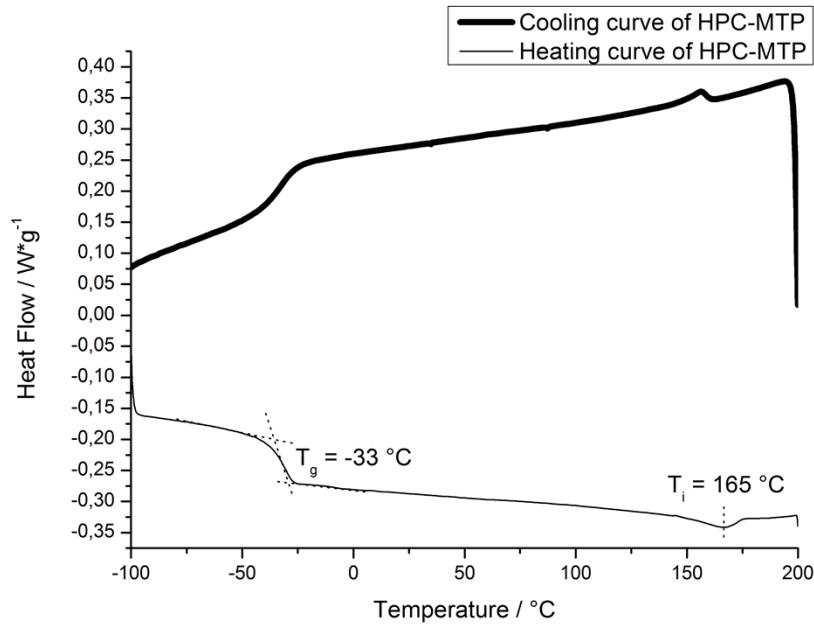


Figure S4 DSC curve of HPC-MTP; heating and cooling rate 10 °C / min (curves for both products are nearly identical; in terms of clarity only one curve is shown)

S5 X-ray scattering diffractogram of HPC-MTP_80 and HPC-MTP_100

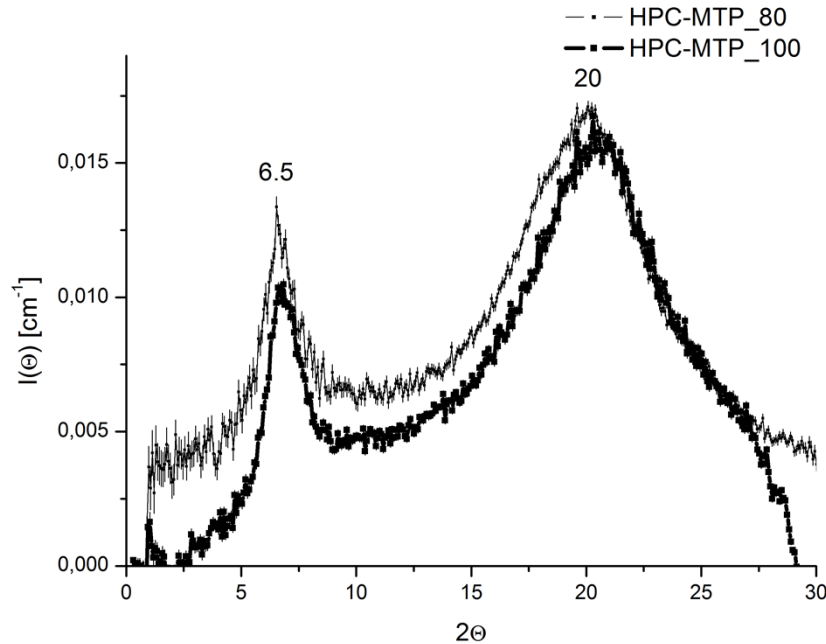


Figure S5 Wide angle X-ray scattering diffractogram from HPC-MTP products with different chain length at 25 °C

S6 UV/Vis spectrum of HPC-MTP_80 in isotropic melt

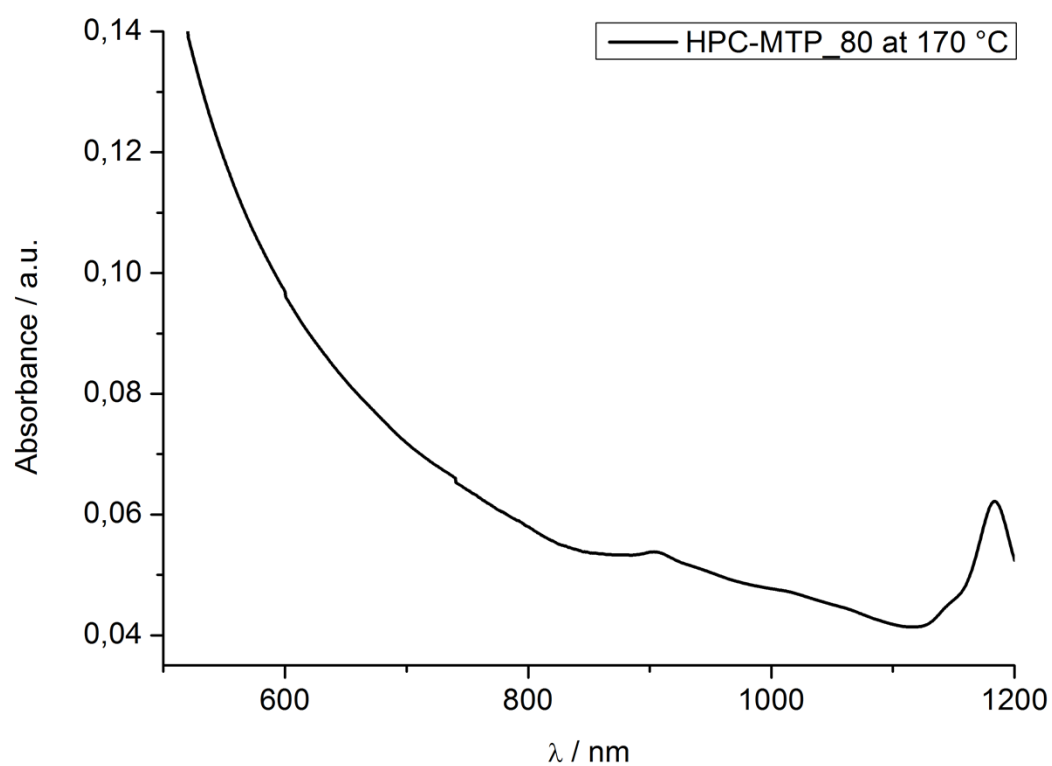


Figure S6 UV/Vis spectrum of HPC-MTP_80 at 170 °C (isotropic melt).