Supplementary Materials: Thin Films of Tolane Aggregates for Faraday Rotation: Materials and Measurement

Maarten Eerdekens [1], IsmaelLópez-Duarte [2], Gunther Hennrich [1,*] and Thierry Verbiest [1,*]

[1] Department of Chemistry, University of Leuven, Celestijnenlaan 200D, 3001 Leuven, Belgium; maarten.eerdekens@kuleuven.be
[2] Department of Organic Chemistry, Universidad Autónoma de Madrid, Cantoblanco, 28049 Madrid, Spain; ismael.lopez@uam.es
* Correspondence: gunther.hennrich@uam.es (G.H.); thierry.verbiest@kuleuven.be (T.V.)

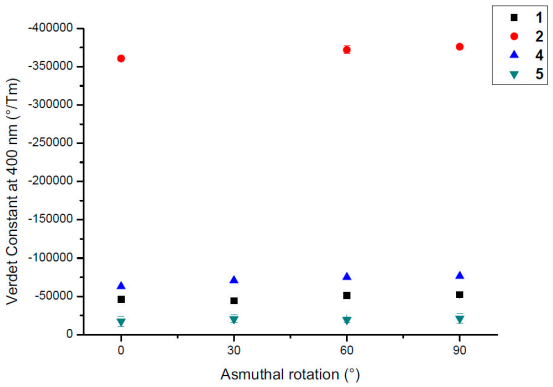


Figure S1. Verdet constant measurements at 400nm: Verdet constant of samples 1,2,4 and 5 turned asmuthal 0°, 30°, 60° and 90°. The verdet constant was measured at 400 nm. No dependence of Verdet constant on rotation of asmuthal angle was observed.

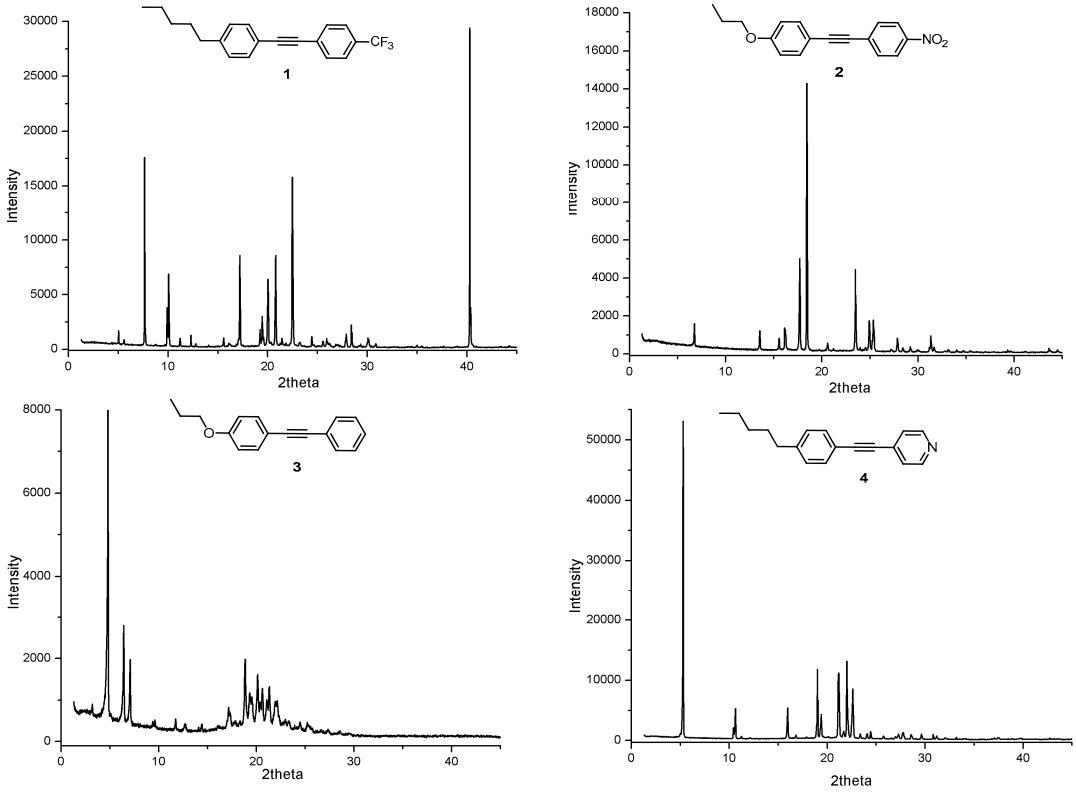


Figure S2. X–ray diffractograms: Tolanes (1–3) and *N*-Hetero-tolane derivatives 4.

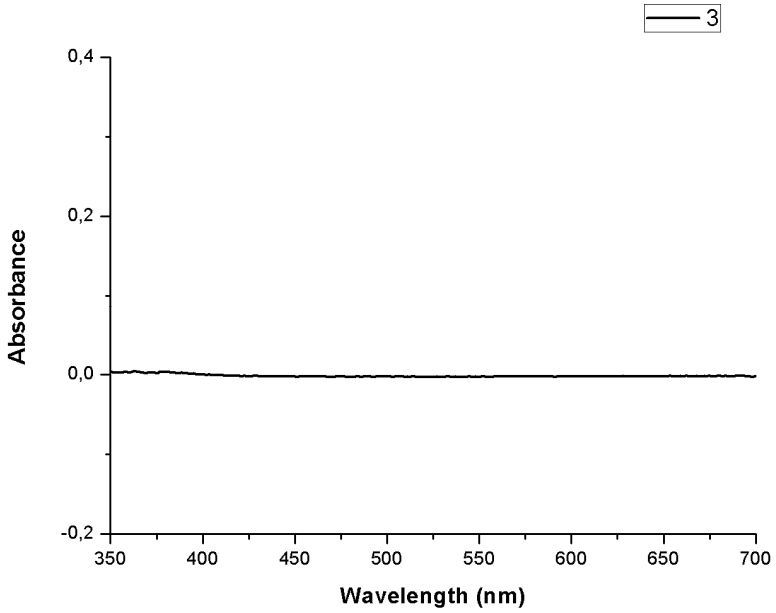
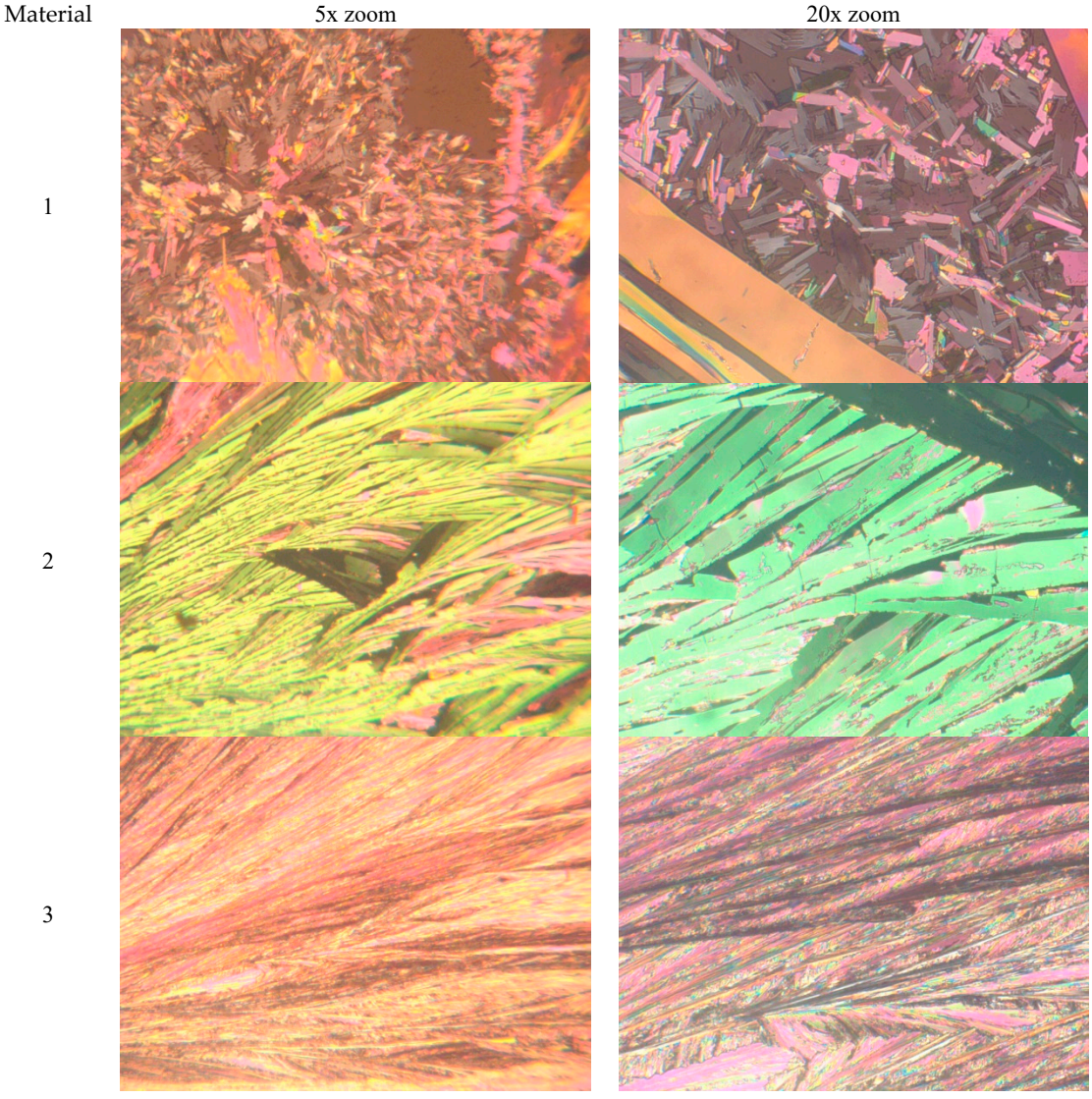


Figure S3. UV-Vis absorbance spectrum of the unsubstituted diphenylacetylene (3).



4

5

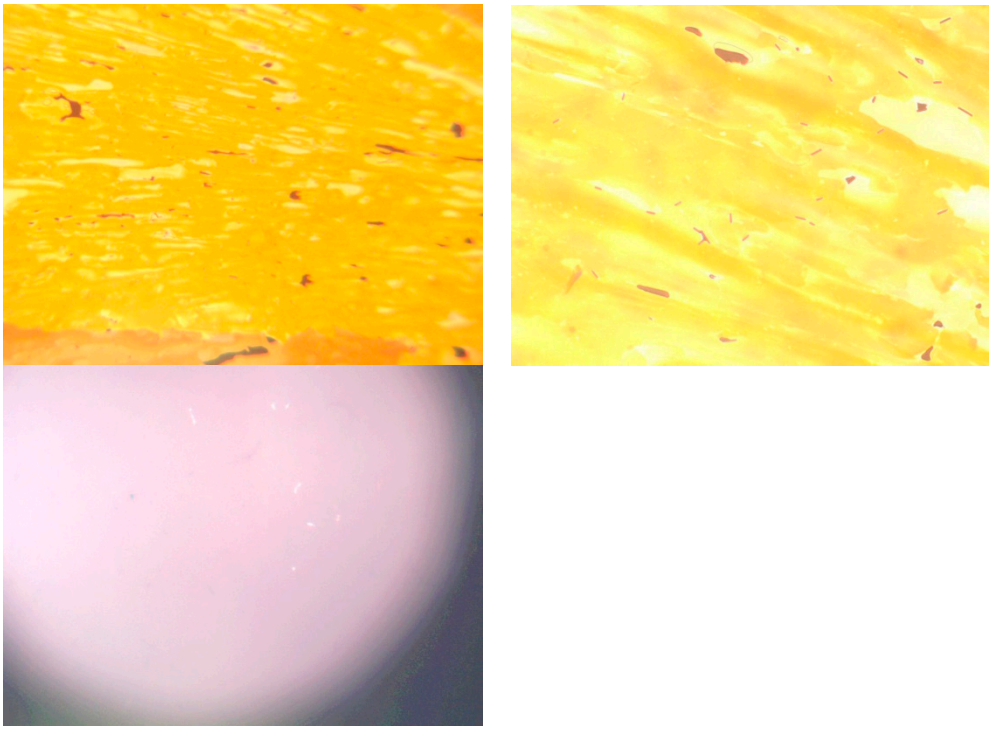


Figure S4. Polarised optical microscopy: polarised optical microscopy images of the materials in the LC cells.