

Supporting Information

Self-assembly beyond Semifluorinated Alkanes in a Semifluorinated Benzene Derivative

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Purity and persistency of the compounds:

The purity of all compounds was proven by NMR and FD-MS. As observable all starting material is converted and no other impurities remain. Before the physical measurement the complete removal of all solvent was proven by NMR in another solvent. The stability and the persistency of the compounds were proven after each experiment by NMR (no decomposition was detectable).

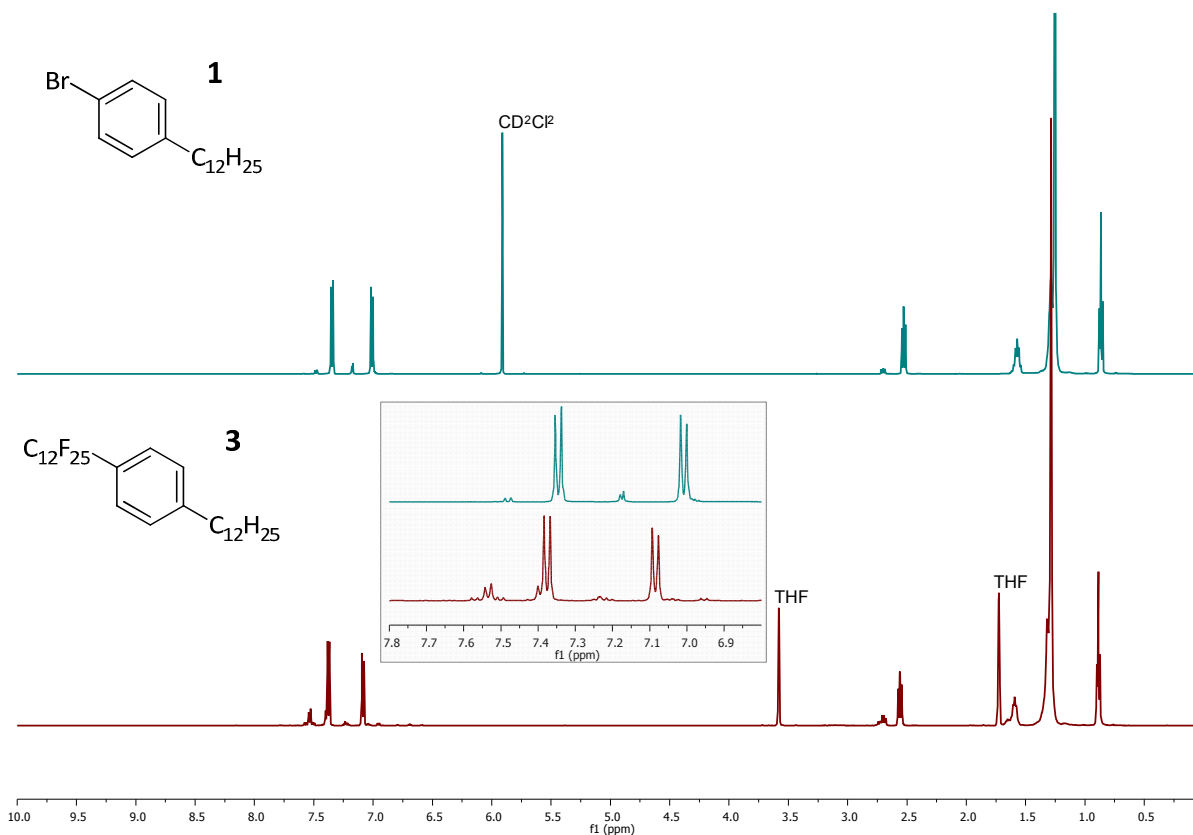


Figure S1: ¹H-NMR (500MHz) of compound **1** and **3**

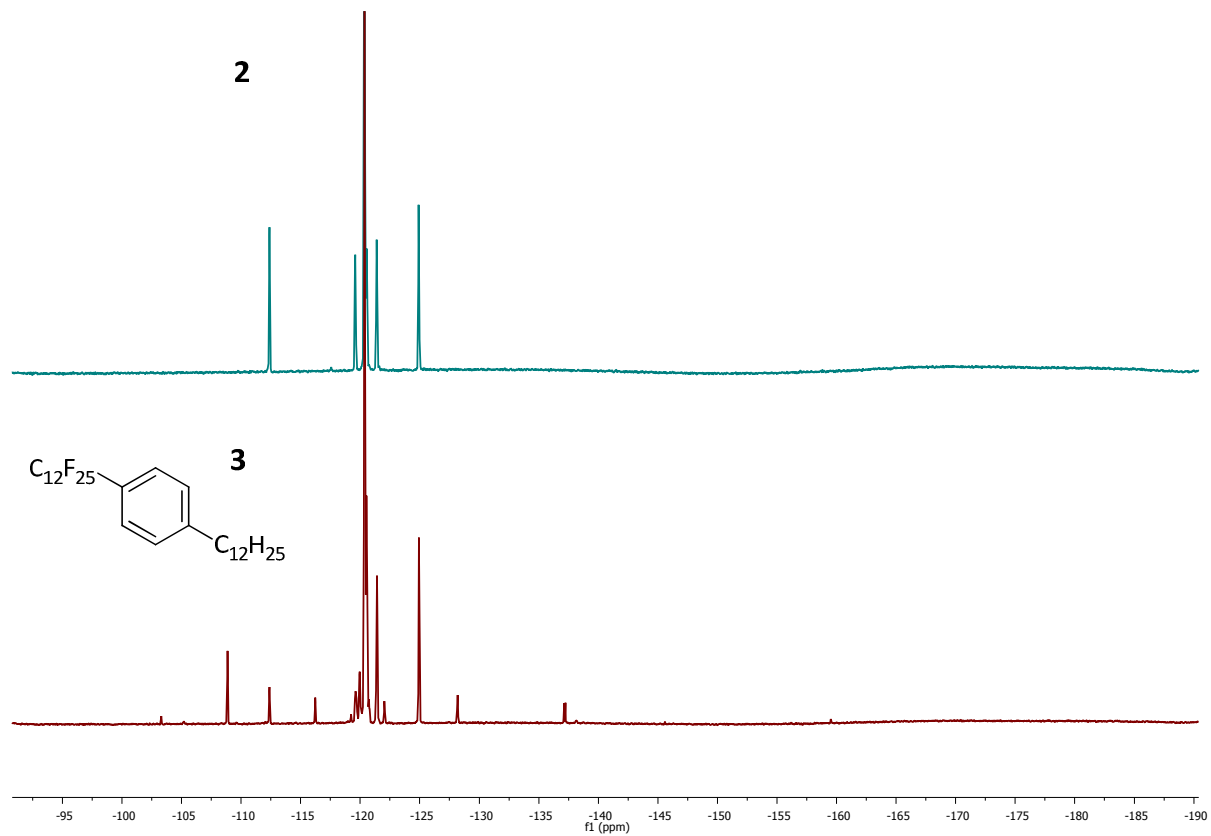


Figure S2: ^{19}F -NMR (500MHz) of compound **2** and **3**

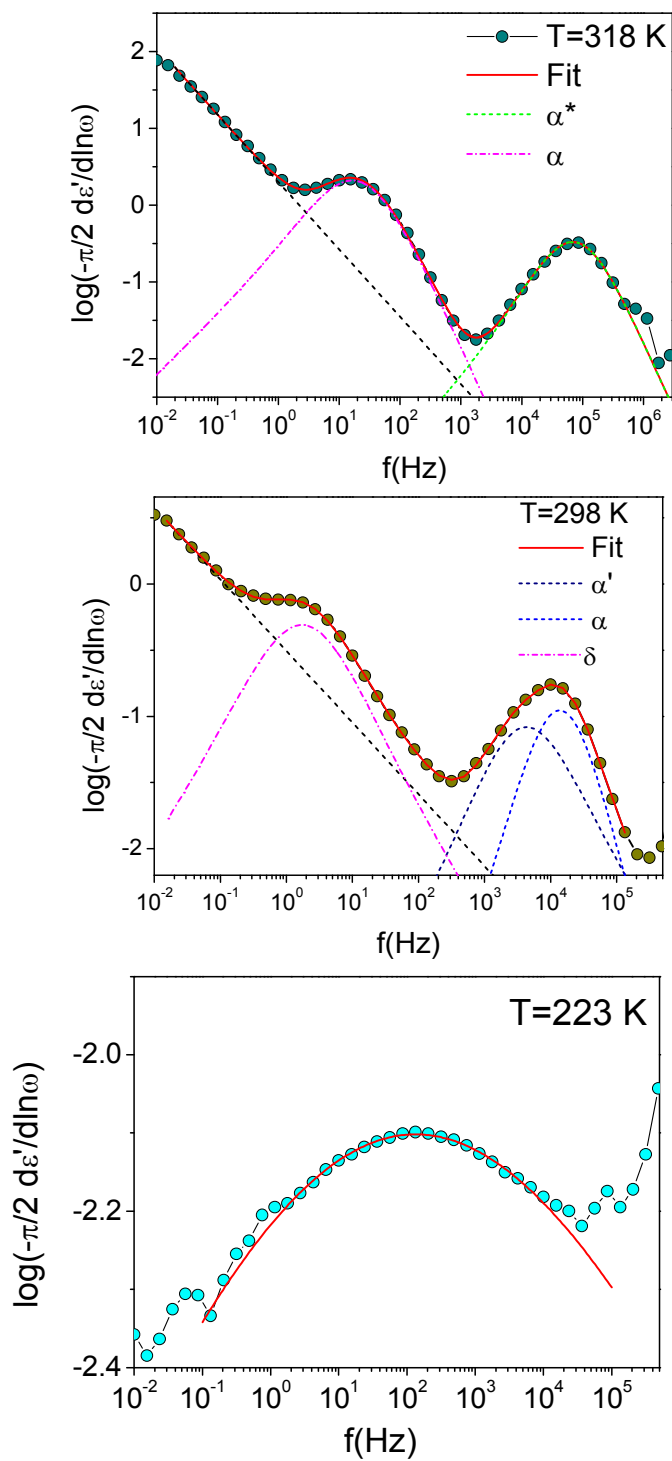


Figure S3: Representative fits to the derivative of ϵ' of compound **3** at three temperatures as indicated.