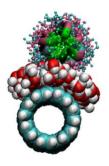
## **Supporting information**



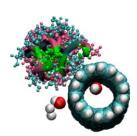
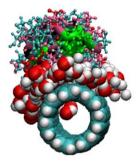


Fig. S1 GPO-CNT cross section view of initial and final conformation.



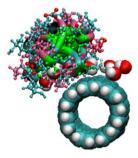


Fig. S2 GDO-CNT cross section view of initial and final conformation.

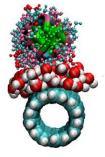




Fig. S3. GEO-CNT cross section view of initial and final conformation.

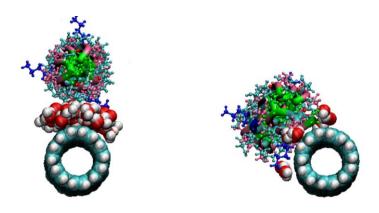


Fig. S4. GKO-CNT cross section view of initial and final conformation.



Fig. S5. GRO-CNT cross section view of initial and final conformation.

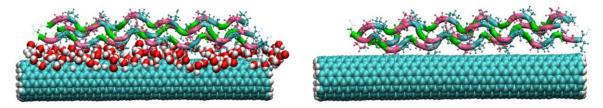


Fig. S6. GPO-CNT side view of initial and final conformation.

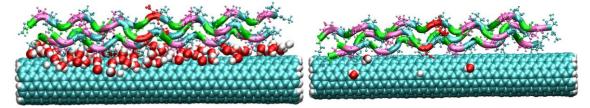


Fig. S7. GDO-CNT side view of initial and final conformation.

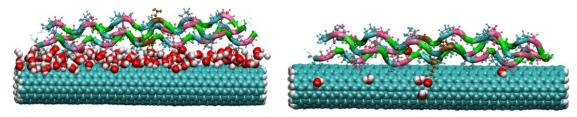


Fig. S8. GEO-CNT side view of initial and final confirmation.

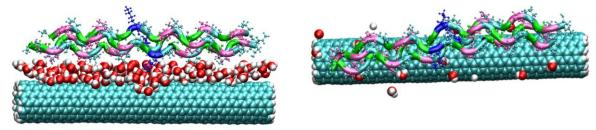


Fig. S9. GKO-CNT side view of initial and final conformation.

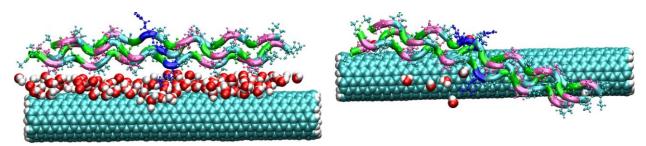


Fig. S10. GRO-CNT side view of initial and final conformation.