

## Supporting information

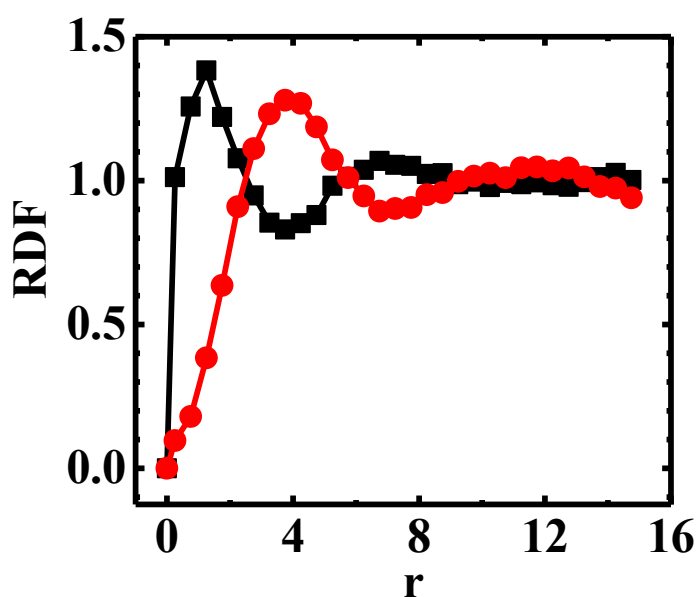


Figure S1. 2-dimensional radial distribution functions between lipid and  $R_B$  (black square) and  $R_F$  (red circle) dendrons.

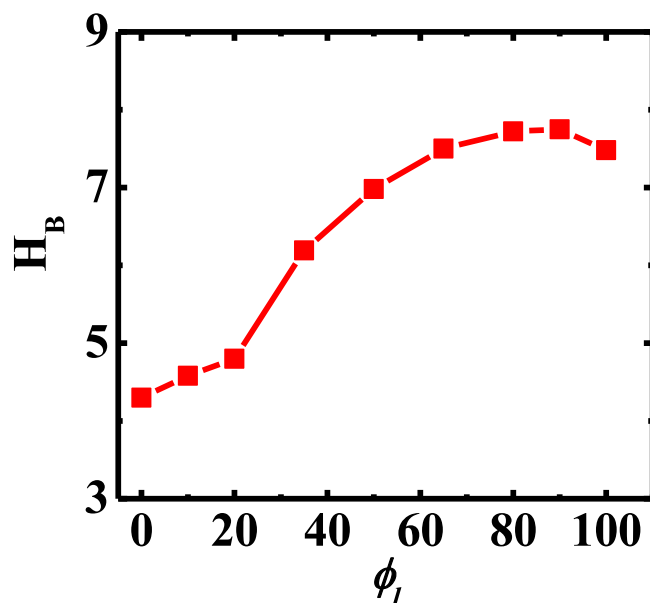


Figure S2. The variation of the thickness of the hydrophobic layer ( $H_B$ ) with the lipid concentration  $\phi_l$ . The thickness change is closely related to the decrease of the extent of interdigitation of dendrimers  $(\Delta h)_B$  with increasing  $\phi_l$  (see Figure 7(a)).