

Supporting Information

for

Block Liposome and Nanotube Formation is a General Phenomenon of Membranes Containing Multivalent Lipids

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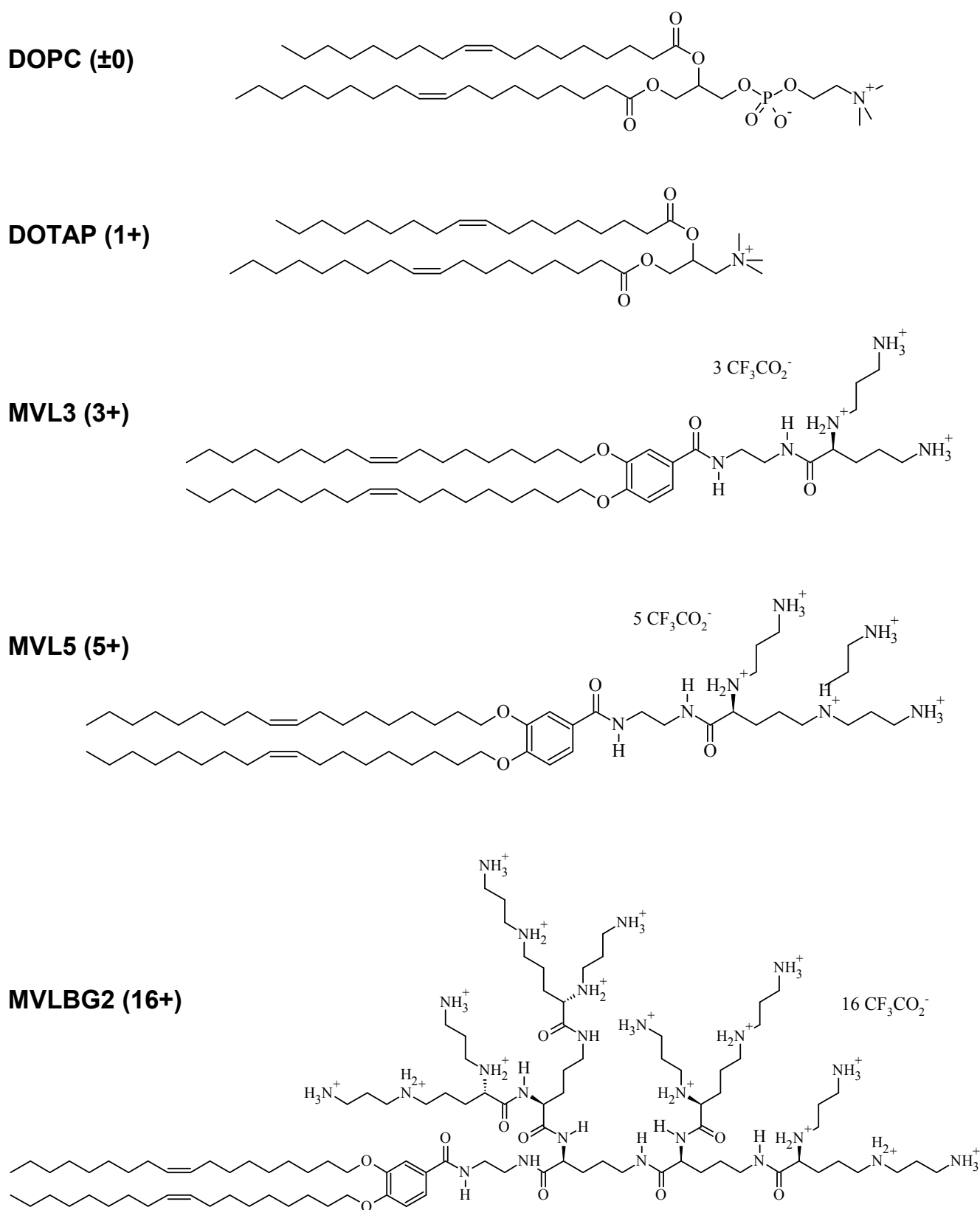


Figure S1. Chemical structures of DOPC, DOTAP, MVL3, MVL5 and MVLBG2.

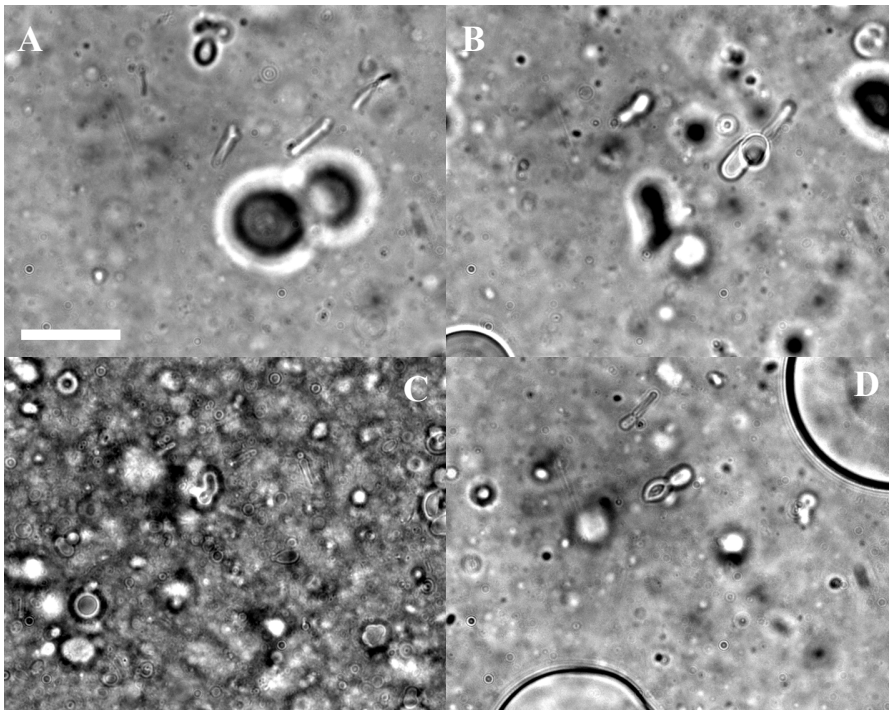


Figure S2. DIC micrographs of MVL3/DOPC BLs ($\Phi_{\text{MVL3}}=0.1$). Scale bar, 10 μm .

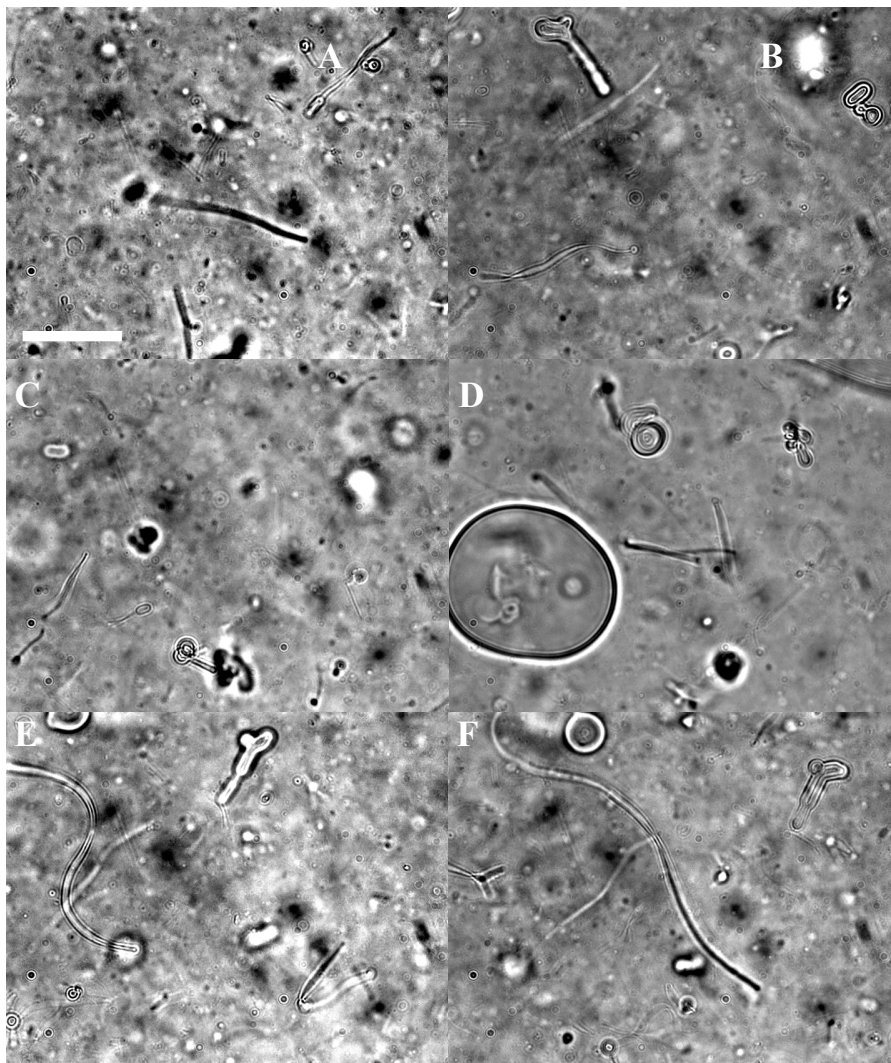


Figure S3. DIC micrographs of MV L5/DOPC BLs ($\Phi_{\text{MV L5}}=0.1$). Scale bar, 10 μm .

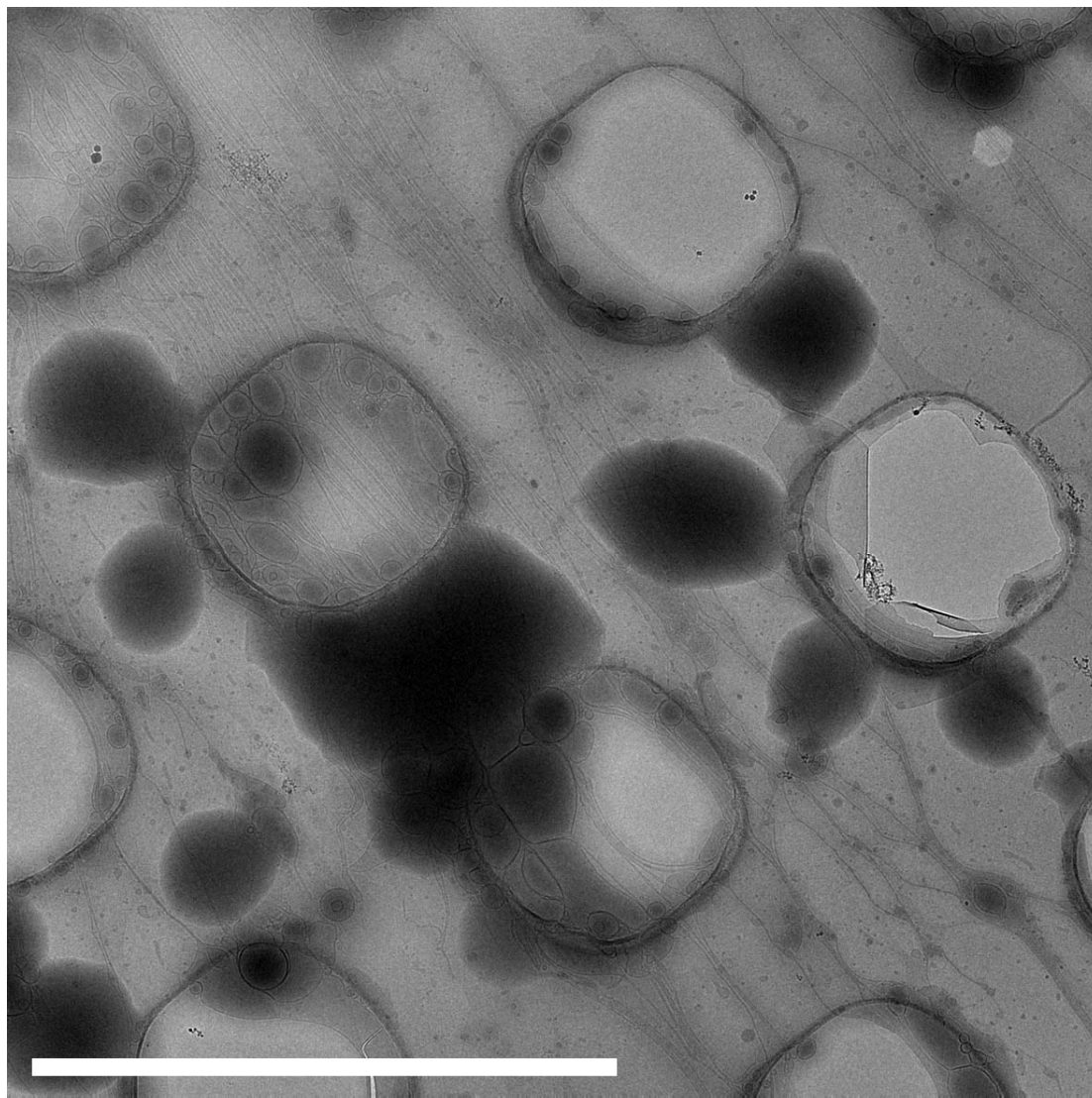


Figure S4. Low magnification cryo-TEM image of MVL5/DOPC BLs ($\Phi_{\text{MVL5}}=0.1$). Scale bar, 5 μm .

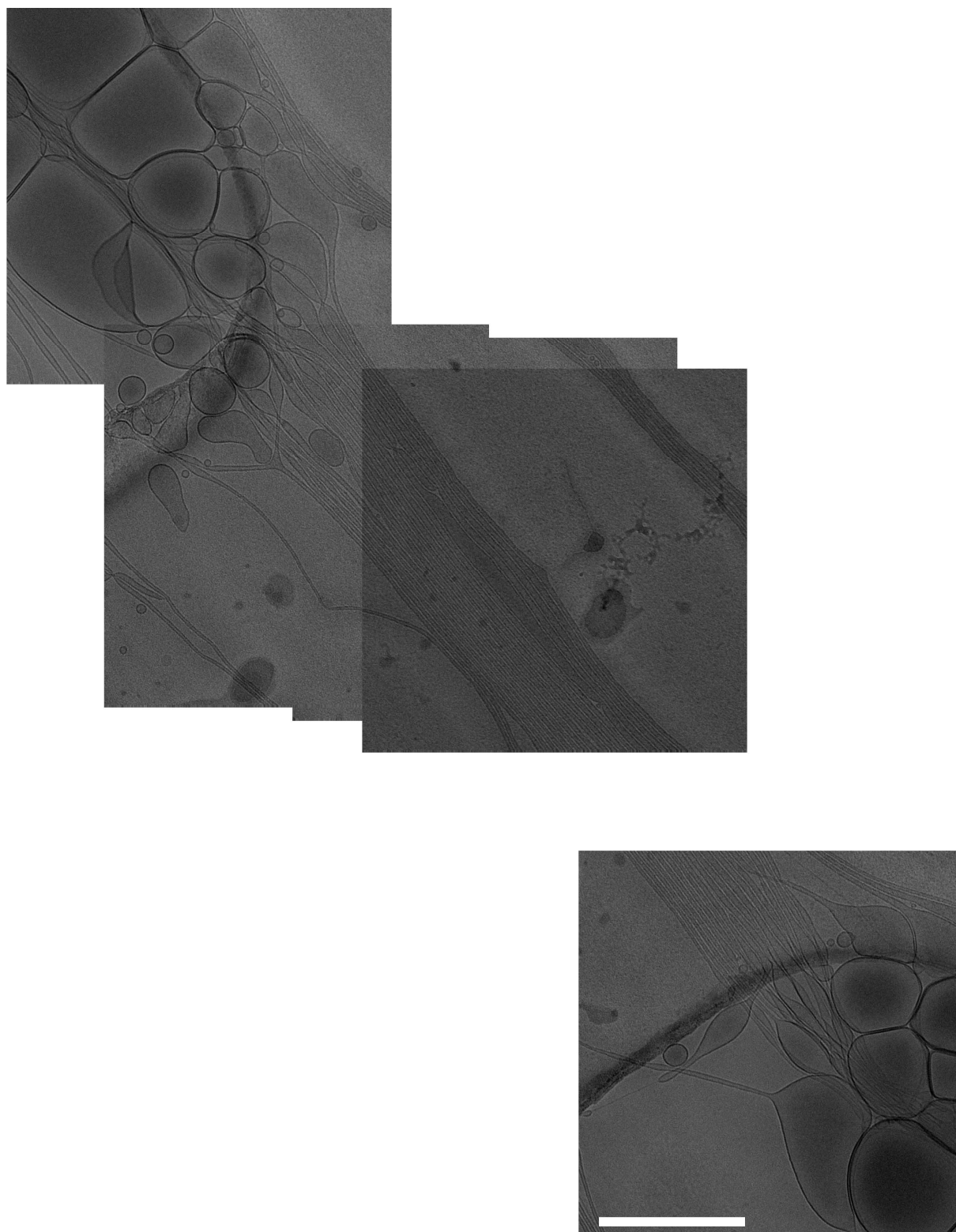


Figure S5. Collage of high magnification cryo-TEM images of MVL5/DOPC BLs ($\Phi_{\text{MVL5}}=0.1$), showing a large bundle of nanotubes with length $> 5 \mu\text{m}$. Scale bar, 500 nm.