Supporting Information

Nonionic Diethanolamide Amphiphiles with Unsaturated C18 Hydrocarbon Chains: Thermotropic and Lyotropic Liquid Crystalline Phase Behavior

Sharon M. Sagnella\textsuperscript{1}, Charlotte E. Conn\textsuperscript{2}, Irena Krodkiewska\textsuperscript{2}, and Calum J. Drummond\textsuperscript{2,*}

\textsuperscript{1}CSIRO Materials Science and Engineering, PO Box 184, North Ryde, NSW, 1670 Australia
\textsuperscript{2}CSIRO Materials Science and Engineering, Bag 10, Clayton South, VIC, 3169, Australia
Figure S1: Polarized optical microscope images of neat linoleoyl diethanolamide. A. Image acquired at 15°C showing typical smectic liquid crystalline texture and B. Image acquired at 20°C, an isotropic band is present at the edge of the amphiphile indicating melting of the liquid crystalline phase to a fluid isotropic phase. These transitions occur at similar temperatures to the transitions indicated by DSC.

Figure S2: First Heating scan of Oleoyl Diethanolamide with transitions described in text indicated