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Abbreviations: *BAM*: Brewster angle microscopy, *CNS*: central nervous system, *DPPC*: 1,2-dipalmitoyl-sn-glycero-3-phosphocholine, *SAXS*: small angle X-ray scattering, *GIXOS*: grazing-incidence X-ray scattering out of the specular plane, *XRD*: X-ray diffraction.

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