

Supplementary Material

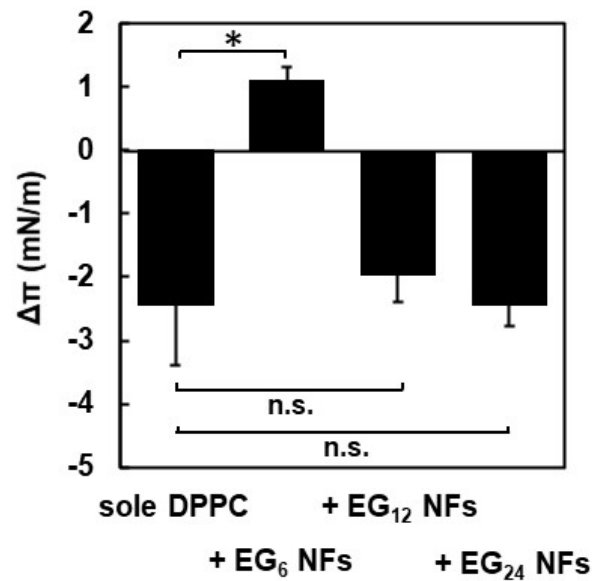


Figure 1. Changes in surface pressure of the DPPC membrane 30 min after injection of EG_n NFs. The $\Delta\pi$ was calculated by subtracting the surface pressure at 0 min from that at 30 min. The same measurements were repeated three times. The representative data are shown in Figure 3. * $p < 0.01$, n.s. = not significant.

Table 1. Collapse surface pressures, limiting molecular areas, and maximum elastic moduli determined from π -A isotherms.^a

	DPPC	EG ₆ NFs		EG ₁₂ NFs		EG ₂₄ NFs	
		1.0 μ M	2.5 μ M	1.0 μ M	2.5 μ M	1.0 μ M	2.5 μ M
final collapse surface pressure (mN/m)	59.0	56.2	58.9	61.5	58.9	56.6	54.0
limiting molecular area at final collapse (\AA^2)	19.8	18.6	18.2	24.6	20.1	23.4	26.5
maximum elastic moduli (mN/m)	137.5	66.2	48.4	68.7	63.1	59.8	65.0

^a Collapse surface pressures, limiting molecular areas, and maximum elastic moduli were estimated from Figure 4 and 5.