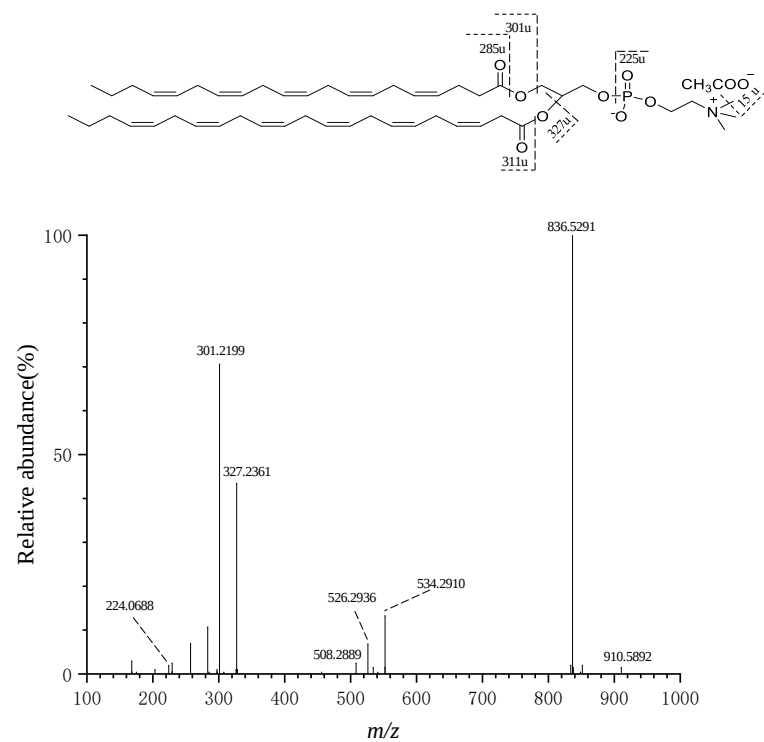
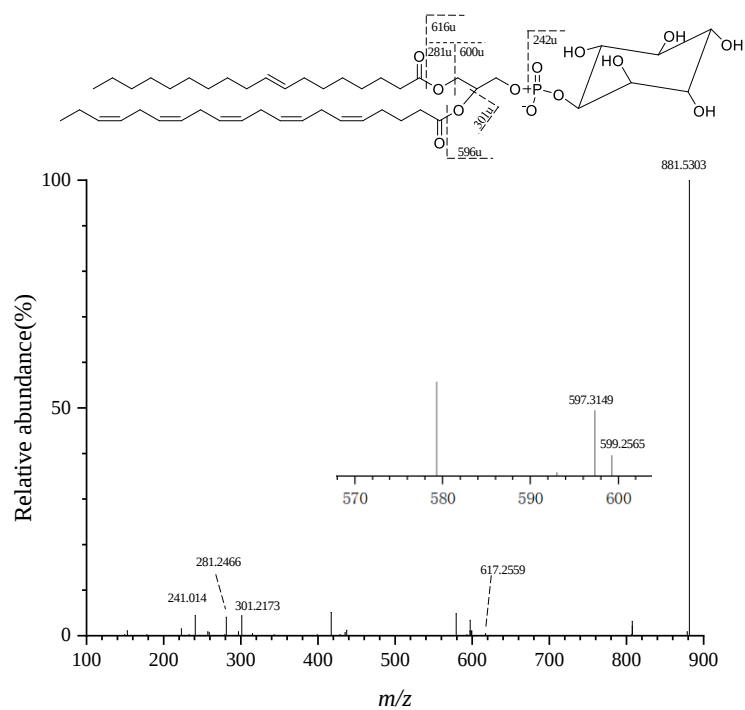


(a)



(b)



(c)

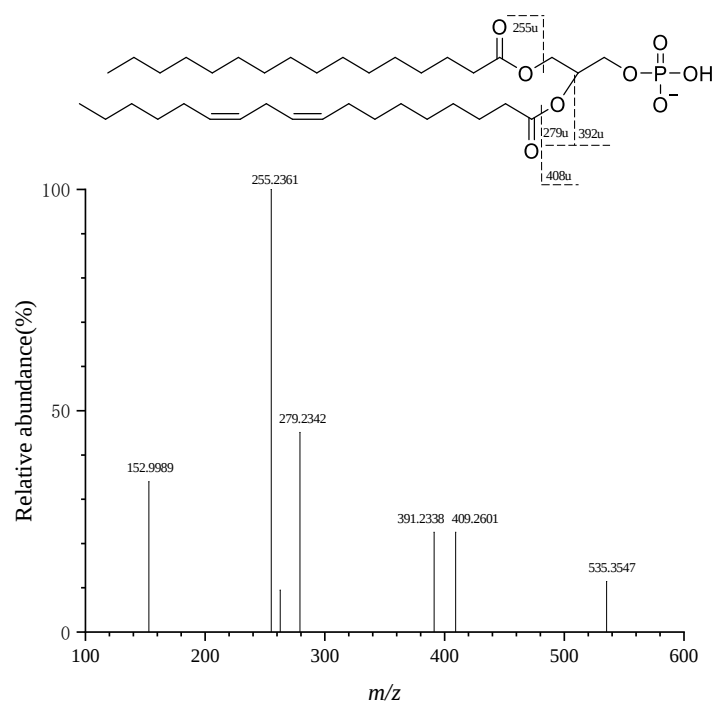


Figure S1. MS/MS fragmentation pathway of (a) PC(20:5/22:6) (m/z 910.5667), (b) PI(18:1/20:5) (m/z 881.5224), (c) PA(16:0/18:2) (m/z 671.4678) under negative ion mode.

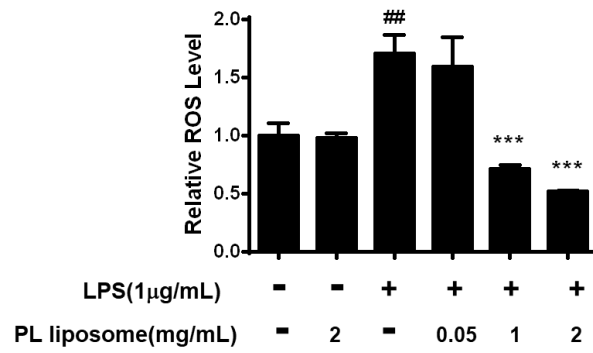
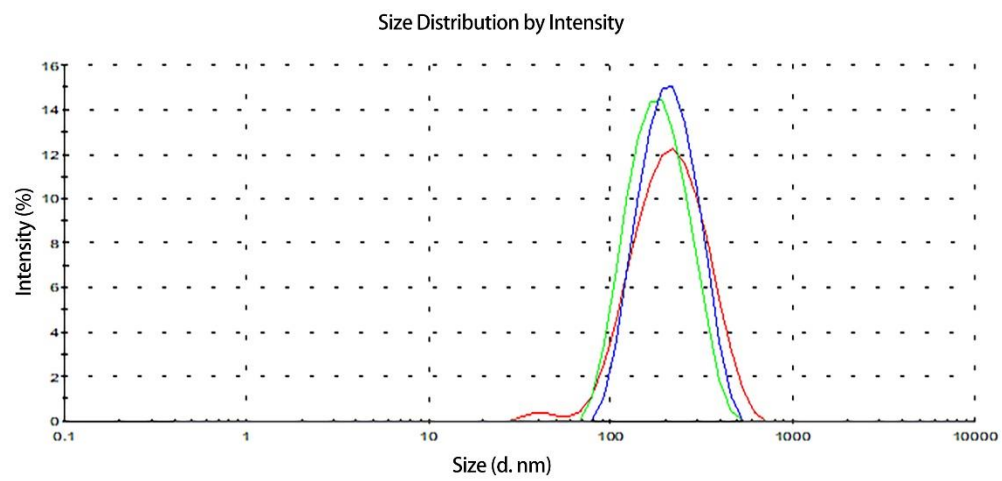


Figure S2. Relative intracellular ROS level was measured with a cell-permeable fluorescence-activatable probe DCFHDA. Data are expressed as mean $\pm$ S.D of triplicates. *** $p < 0.001$ compared with LPS-treated group. ## $p < 0.01$ compared with control group.

(a)



(b)

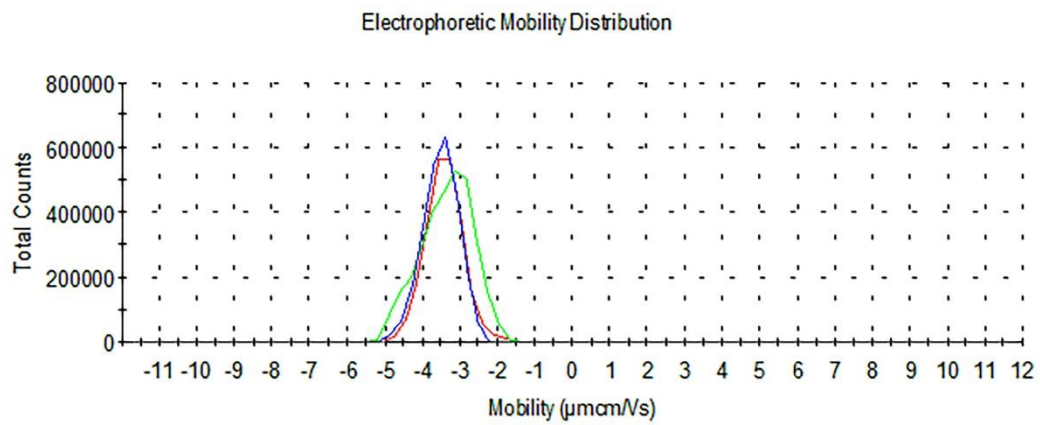


Figure S3. Size distribution (a) and zeta potential distribution (b) of krill PL liposomes

Table S1. Primers for qPCR assay

Genes	Forward primer sequence (5'-3')	Reverse primer sequence (5'-3')
<i>iNOS</i>	TCACGCTTGGGTCTTGTTCA	CCTTTTCCTCTTTCAGGTCACTT
<i>COX-2</i>	TGCACTATGGTTACAAAAGCTGG	TCAGGAAGCTCCTTATTTCCCTT
<i>IL-6</i>	TCCAGTTGCCTTCTTGGGAC	GTGTAATTAAGCCTCCGACTTG

Table S2. Calibration curves, linear regression coefficients (R^2), limit of detection (LOD) and limit of quantification (LOQ) of five PL standards

Standards	Formula	m/z	Equations	R^2	LOD (ng/mL)	LOQ (ng/mL)
15:0-18:1-d7-PE	$C_{38}H_{67}D_7NO_8P$	709.5519	$y = 1.94x + 0.09$	0.9992	0.5	1.6
15:0-18:1-d7-PI	$C_{42}H_{72}D_7O_{13}P$	828.5625	$y = 3.28x - 0.16$	0.9993	0.3	1.0
15:0-18:1-d7-PC	$C_{41}H_{73}D_7NO_8P$	811.6189	$y = 1.33x - 0.14$	0.9996	0.6	2.0
15:0-18:1-d7-PA	$C_{36}H_{62}D_7O_8P$	666.5097	$y = 2.93x - 1.15$	0.9989	0.4	1.3
15:0-18:1-d7-PG	$C_{39}H_{68}D_7O_{10}P$	740.5464	$y = 4.17x - 0.12$	0.9991	0.3	1.0