

Fig. S7 The relative content of sphingomyelin (Sph) molecular species in the liver lipids of mice taking various nanoliposomal complexes. Along the abscissa axis: 1-st group – 2-month-old control mice maintained on a normal diet; 2-d group was fed PC; 3-d group was fed (PC+CEO); 4-th group was fed (PC+SC); 5-th group was fed (PC+FCEO+SC); 6-th group was fed (PC+FO+SC); 7-th group was fed (PC+FO+CEO+SC); 8-th group – cjntrol mice aged 5 months, was fed only a standard vivarium diet of dry meals and water throughout the experiment. The content of the corresponding molecular type of Sph in the liver of control 2-month-old mice (group 1) was used as a reference unit. The values for Sph 16:0 - 18:1(a), Sph 16:1 - 22:6 (b), Sph 20:1 - 16:0 (c), Sph 20:0 - 20:1 (d), Sph 24:0 - 18:0 (e), and Sph 24:1 - 18:0 (f) were 1.2×10^6 , 1.7×10^6 , 1.8×10^5 ; 1.8×10^7 ; 1.0×10^5 , and 1.8×10^7 (Abs. intens. [arb. units]), respectively. Data are presented as mean (n = 6) \pm SD and p-values calculated using unpaired Mann-Whitney and Kruskal tests. The statistical significance is indicated as follows: a – p<0.05 – in comparison with the 1st group, b – p<0.05 - in comparison with the 8th group; and c – p<0.05 – the 8th group in comparison with the 1st group.