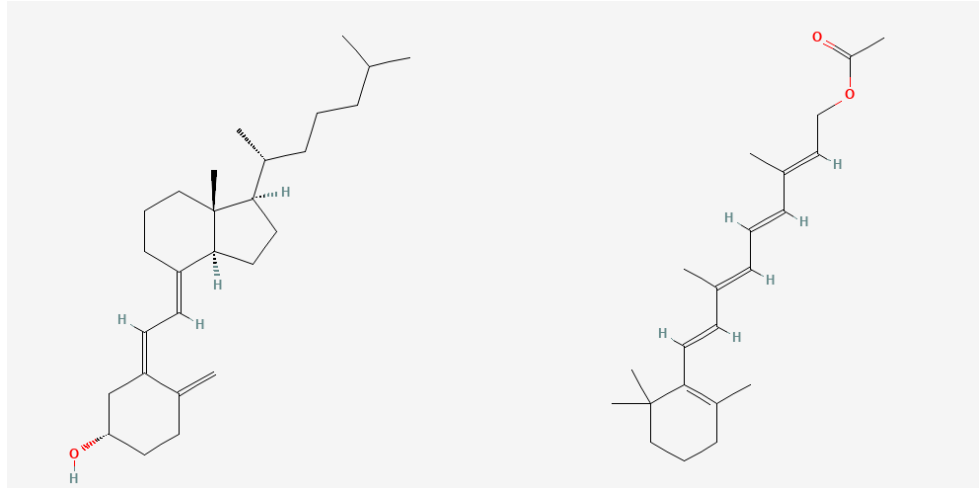


Supplementary materials

Table S1. The composition ratio of sunflower lecithin components.

	sunflower lecithin
Phosphatidylcholine (PC)	42%
Phosphatidylinositol (PI)	36%
Phosphatidylethanolamine (PE)	15%



Vitamin D3

Vitamin A, Acetate

Figure S1. Chemical structures of Vitamin D3 and Vitamin A, Acetate.