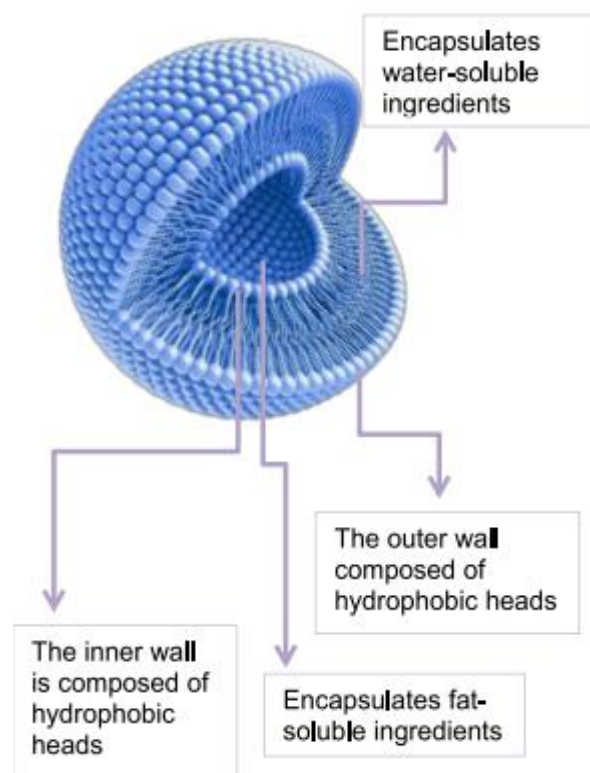
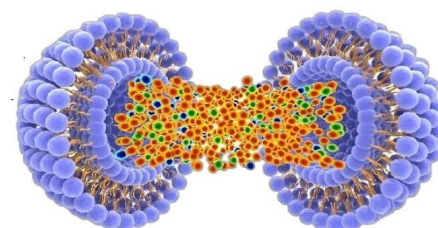


Liposomes List

NO.	Product Name
1	Liposome Retinal
2	Liposomal Vitamin C
3	Liposomal Tetrahydrocurcumin
4	Liposomal Resveratrol
5	Liposomal NMN (Liposomal β -nicotinamide mononucleotide)
6	Liposomal Iron
7	Liposomal Glutathione
8	Liposomal Coenzyme Q10
9	Liposomal Chromanol
10	Liposomal Ceramide NP

LIPOSOME TECHNOLOGY

Liposomes are a type of drug formulation for targeted and efficient delivery, and are closed vesicles composed of a bilayer structure similar to that of biological membranes.



Liposomes can achieve targeted and efficient delivery of active ingredients by using their compatibility with biological membranes. Ideal liposomes should have good tissue compatibility, low toxicity, encapsulation and release capabilities. That is, targeting, sustained release, low toxicity, stability, compatibility and direct access to the cell nucleus.

Liposomes belong to the colloidal system. The first mechanism of action is ordinary physical adsorption, which is affected by factors such as particle size, density and surface charge. The second mechanism is lipid exchange, in which the lipids of the liposomes exchange with the lipids on the cell membrane. The third mechanism is endocytosis, in which the liposomes are engulfed by mononuclear macrophages in the body as foreign bodies. Another mechanism is fusion, in which the membrane material of the liposomes is similar to the composition of the cell membrane and fuses into the cell, and is finally digested by the lysosomes.

When delivering nutrients, liposomes can more easily deliver nutrients through membrane proteins directly to the cell nucleus, allowing nutrients to be absorbed more deeply. In addition, liposomes can increase lipids and increase the diffusion rate of lipids, thereby improving the utilization rate of active ingredients in the human body (the absorption of fat-soluble ingredients depends on the amount of lipids and the diffusion rate of lipids). Water-soluble ingredients can be retained longer in liposomes and less lost.