





















CHOLESTEROL - STEROID - STEROL **Steroids** H₂C CH. Steroids are hydrophobic and insoluble in water. Steroids have a fused ring HO structure (all steroids have four Cholesterol linked carbon rings and several of them, like cholesterol, have a CH-OH short tail). Many steroids also have the -OH functional group, which puts them in the alcohol classification (sterols). Cortisol

PLASMA LIPOPROTEIN PARTICLES

- 1. Cholesterol
- 2. Triglycerides
- 3. Phospholipids and specific proteins called
- 4. Apoproteins (A, B, C, D, E.)
- The varying composition of these elements determines the density, size, and electrophoretic mobility of each particle. These factors in turn have been used for the clinical and biochemical classification of lipoprotein disorders.

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Jeeu oli	Phytosterol content (mg/100 g)
Rice bran oil	1891.82
Corn oil	990.94
Rapeseed oil	893.84
Sesame oil	637.60
Flaxseed oil	466.73
Peony seed oil	367.19
Soybean oil	355.67
Peanut oil	319.75
Olive oil	288.02







































OMEGA 3

 Omega 3 FA supplementation reduces allcause mortality and MI in primary and secondary prevention trials, as well as many other CV outcomes. Omega 3 FAs decrease MI and CHD 18% more with concomitant use of statins, reduce stent restenosis, occlusion, plaque formation, coronary artery calcification, atherosclerosis, improve the lipid profile, lower glucose and improve insulin resistance and reduce BP.

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