## **Supplementary materials**

Figure S1: Three-dimensional chemical structures and  $\sigma$ -surfaces of both volatile and non-volatile solutes, triglyceride possibilities in refined soybean oils and oil amphiphilic derivatives generated by COSMO-RS.

Figure S2: Major volatile aroma compounds (VACs) in rosemary oleo-extracts determined by HS-SPME/GC-MS using (a) refined vegetable oils and (b) refined soybean oil with addition of oil derivatives as solvents, (c) the content of total monoterpenes *versus* total oxygenated monoterpenes in various oily solvent systems.

## Figure S1.









Borneol









Carnosol



Carnosic acid



Camphor



o-cymene





α-pinene





Limonene





Eucalyptol













TAG 3

TAG 1

TAG 2



















Glyceryl monostearate (GMS)

Diglyceride



Glyceryl monooleate (GMO)





Lecithin





Terpinene-4-ol



