

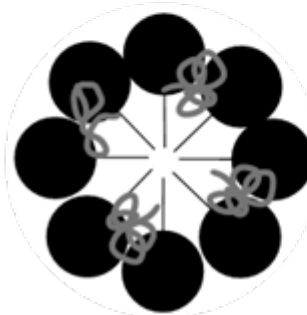
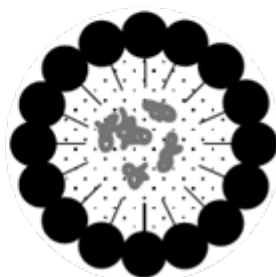
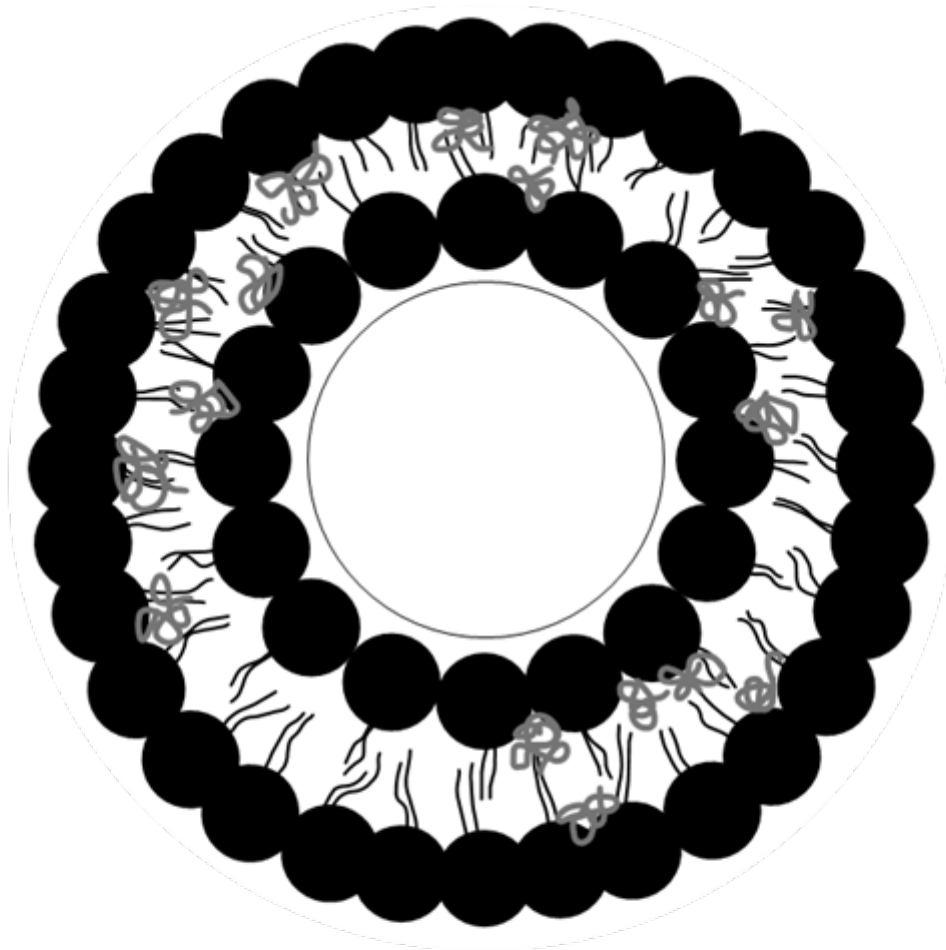
# Novel formulations of supplement compounds designed to increase oral bioavailability

## In this guide

### [In this guide](#)

1. [Science and Research Special Topics Report](#)
2. [Novel formulations of supplement compounds designed to increase oral bioavailability](#)
3. [Physical-chemical properties of novel bioavailable supplement formulations](#)
4. [Mechanisms of increased bioavailability](#)
5. [COT's discussion](#)
6. [Conclusions and Recommendations](#)





A schematic diagram of several lipid-based supplement formulations, including liposomes, micelles, emulsions, and lipid nanoparticles. The diagram is shown in black and white. It shows a large spherical shape at the top, with 4 smaller shapes underneath.

This report has been written by the Committee on the Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) Secretariat as part COT reviewing activities in providing advice to Government Departments and Agencies on matters concerning the toxicity of chemicals. It may not be considered as an output adopted by the COT. The COT reserves its rights, view and position as regards the issues addressed and the conclusions reached in the present document.

The findings do not represent the views of the Government Departments and Agencies, and this document does not represent information approved or disseminated by them.