

Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability

In this guide

[In this guide](#)

1. [Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability](#)
2. [Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability - Executive Summary](#)
3. [Physical-chemical properties of novel bioavailable supplement formulations](#)
4. [Mechanisms of increased bioavailability](#)
5. [COT's discussion](#)
6. [Physical-chemical properties of novel bioavailable supplement formulations - Conclusions](#)
7. [Physical-chemical properties of novel bioavailable supplement formulations - Recommendations](#)
8. [Annex A - Discussion Paper on Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability](#)
9. [Annex A - Novel formulations of supplement compounds](#)
10. [Annex A - Lipid-based delivery systems](#)
11. [Annex A - Other systems to increase bioavailability](#)
12. [Annex A - Uncertainties surrounding novel supplement formulations](#)
13. [Annex A -Market data and projected trends](#)
14. [Annex A - Case studies of supplement formulations with increased bioavailability](#)
15. [Annex A - Summary and discussion](#)
16. [Annex A - Questions for the Committee](#)
17. [Annex A - Abbreviations and glossary](#)
18. [Annex A - Glossary](#)
19. [Annex A- References](#)

20. [Appendix A: Literature search for specific toxicology studies with novel supplement formulations](#)

Authors: Food Standards Agency

Conducted by: Committee on Toxicity

Date published: Mon, 12/15/2025 - 12:00

DOI: <https://doi.org/10.46756/sci.fsa.sjn770> (Opens in a new window)

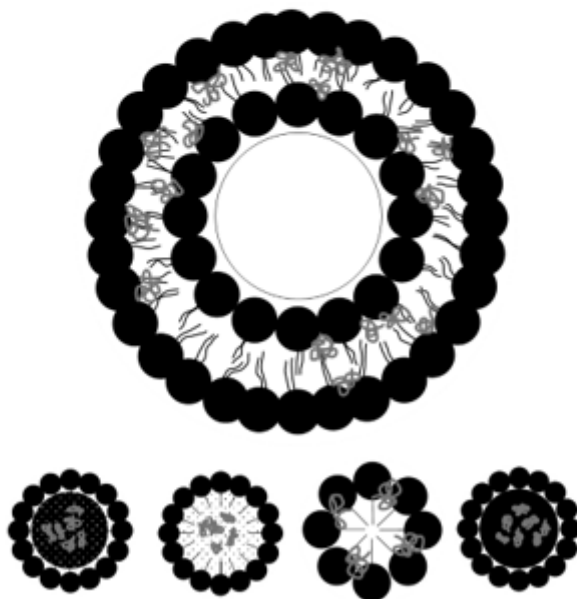
Committee on the Toxicity of Chemicals in Food, Consumer Products and the Environment



Committee on the Toxicity of Chemicals in Food, Consumer Products and the Environment

Science and Research Special Topics Report

Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability



Bioavailable Formulations - Science and Research Special Topics Report

Novel Formulations of Supplement Compounds Designed to Increase Oral Bioavailability front cover page. At the top there is a bright blue horizontal band. Below is the page header and the COT logo. Below this is the committee name

and title of the report. Below that text is the image of a schematic diagram of several lipid-based supplement formulations, including liposomes, micelles, emulsions, and lipid nanoparticles. Underneath is the page footer and a final horizontal band of blue.