

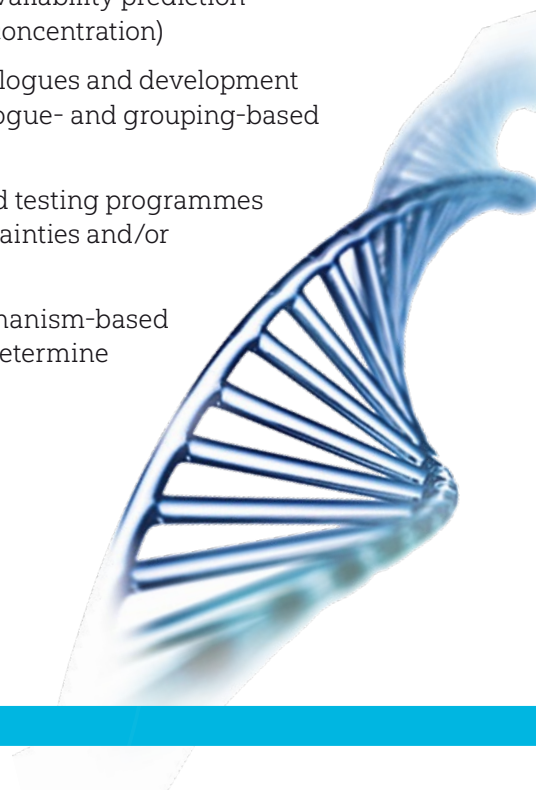
NEW APPROACH METHODOLOGIES

Identifying and applying new methodologies and risk assessment approaches to support chemical safety without animal testing

Our team members are passionate about identifying and applying new approach methodologies in chemical risk assessment. We are regularly confronted with clients' queries on how to evaluate the safety of a newly developed cosmetic ingredient or a non-intentionally added substance (NIAS) in a food contact material without new animal testing. ToxMinds has a track record for analogue identification and the successful submission of QSAR-supported read-across justifications under existing chemicals, cosmetics and medicinal products regulatory frameworks.

We offer a range of options to **evaluate chemical safety**:

- Thorough desktop research to identify, collate and appraise relevant toxicological information
- QSAR-based (eco)toxicological hazard profiling and metabolism prediction using a range of public and commercial OECD, ECHA and/or ICH recommended tools
- Suitability evaluation of TTC and read-across approaches
- Exposure and systemic bioavailability prediction (e.g., target organs, internal concentration)
- Identification of suitable analogues and development of guideline-compliant analogue- and grouping-based read-across justifications
- Establishment of NAM-based testing programmes to reduce read-across uncertainties and/or verify MoA hypothesis
- Advice on biology- and mechanism-based *in vitro* testing strategies to determine biological activity



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ToxMinds
THINKING AHEAD IN TOXICOLOGY