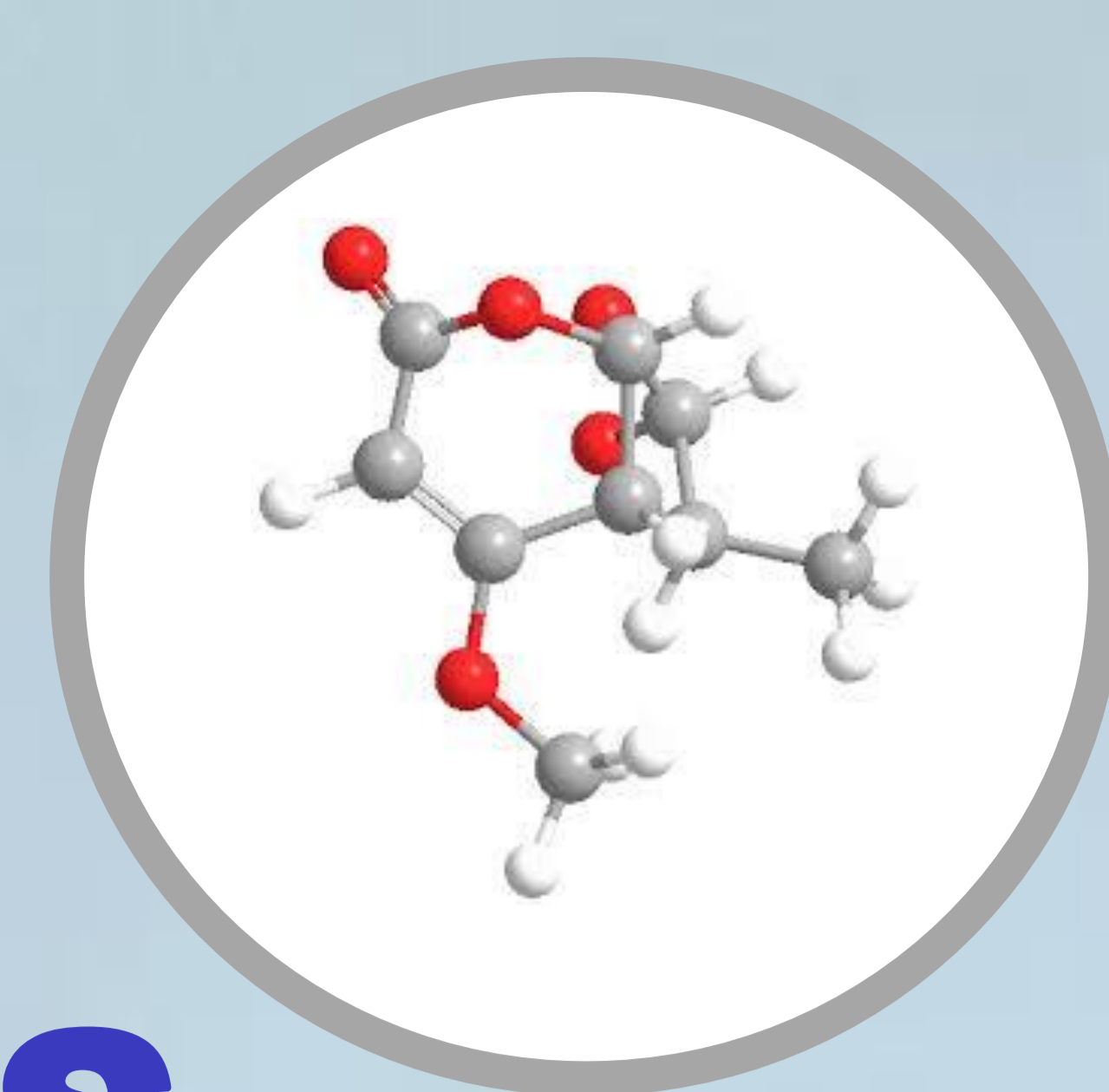


With **PHYLOGENE**,
It's time to think out of the box...



METABOLOMICS and LIPIDOMICS

large scale analysis of small molecules produced by the metabolism.

YOUR SAMPLES

Cell cultures, skin explants, rebuilt skins, skin biopsies, serum, plasma, skin swabbing...

Substantiate without presuming the **ultime response** of your active compounds,

Determine the **metabolic pathways** modified by your ingredient and find a new story,

Decipher the **metabolic reactions** and identify potential **safety issues**,

In association with **other « omics »** such as **proteomics**, obtain a global snapshot of your biological system.



Metabolites extraction

Lipid and Non-lipid compound

Lipidome

Untargeted lipids analysis:

Multiple lipid classes observed. Comprehensive analysis of lipid composition can be reached.

Whole Metabolome

Non-lipid metabolites:

Polar and mildly apolar metabolites observed by multiple chromatography techniques

UHPLC-MS/MS and DATA PROCESSING

High resolution mass spectrometry analysis identification and **relative quantification of metabolites and lipids**

in treated vs untreated samples.

CLAIMING POTENTIALS

COSMETIC POTENTIAL

Anti-aging, moisturizing, toning, pigmentation, slimming, ...

DERMATOLOGICAL CARE POTENTIAL

stress protection, hydration, drugs effects, barrier function,...

CHARACTERIZATION

Differences between healthy and **stressed** skins,...

BIOINFORMATICS ANALYSIS

CORVALID™

Involved metabolic, biological processes and significances, molecular functions, cellular components, synthesis of phenomena, phenotyping,...

