



GLYCONIC is developing novel bioactives based on its bioprocess technology, the glycosylation of small molecules, as advanced active ingredients for cosmetic and food products. In the scope of cosmetic applications are especially anti-aging, pigmentation, skin regulation, and hair care. For food applications taste modulating, anti-glycemic sweeteners and anti-bitter additives as well as health beneficial dietary supplements are developed. GLYCONIC ingredients possess the added values of outstanding solubility, prolonged stability and better bioavailability to guarantee high efficacies in the desired place of action.

Particularly polyphenols are health beneficial natural compounds, which have been shown to mediate a broad variety of positive effects. Up to

now polyphenols are mostly extracted from plants. Due to their scarce concentrations moreover the occurrence in rare plant species, many effective polyphenol glycosides cannot be exploited in industrial scales. These glycosidic forms can neither be produced economically by chemical synthesis. Nevertheless, the glycosylation itself is significantly responsible for the mode of action of the entire compound by altering the molecular interactions via the sugar moiety.

GEFÖRDERT VOM



Bundesministerium  
für Bildung  
und Forschung

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