

# We've got the gold<sup>✦</sup>

Benicaros<sup>®</sup>:  
the ingredient  
to fuel your  
innovation

**Plant-based  
& upcycled**

**Precision  
prebiotic fiber**

**Low-dose**

**Immune & gut  
health benefits**

[benicaros.com](https://benicaros.com)

**Benicaros**  
the precision prebiotic



# Benicaros®: the ingredient to fuel your innovation

Gut and immune health are consistently top consumer priorities. Fully 80% of consumers now recognize the relationship between the gut microbiota and the immune system.<sup>1</sup> So, it's not surprising that consumers have higher expectations for functional food, beverage and dietary supplements. They want solutions that help them reach multiple health goals safely, effectively, and naturally.

**Benicaros sets a new standard for prebiotics by meeting the perfect mix of manufacturer and consumer expectations for gut and immune health focused products. Its unique combination of benefits and attributes help product manufacturers capitalize on market opportunities with ground-breaking innovation.**



## Applications

Benicaros® can easily be incorporated and combined with micronutrients into a variety of dietary supplements in different formats such as gummies, capsules, tablets, sachets and cubes. It can also be easily formulated into varying functional foods and beverages such as snacks, sports drinks, health shots, cereals and nutritional bars, to meet the convenience and variety needs of busy adults.



**Gummies**



**Capsules**



**Shakes or  
powders**



**Functional (dairy)  
beverages**

## Benefits of Benicaros®



### Plant-based & upcycled

Benicaros is upcycled from carrot pomace & meets consumer expectations for natural, planet-friendly solutions.



### Immune & gut health benefits

Benicaros contributes towards a healthy gut microbiome composition. It also trains the innate immune system to respond faster, smarter and stronger.<sup>2,3</sup>



### Precision prebiotic fiber

Structure matters: Benicaros leads to consistent and robust health benefits no matter how unique the gut microbiome ecosystem is in different individuals.



### Low-dose

Benicaros has a daily serving size of as low as 300 mg and has little to no negative impact on taste, odor or texture of the finished product.

## Unlocking nature's gold

The production of Benicaros® starts with fresh carrot pomace from local carrot juice producers in Germany. Our verifiable supply chain enables us to trace Benicaros starting from the carrot in the field to the final product. This helps ensure the highest product quality and consistency. The specific RG-I fiber is unlocked from the carrot cell wall through our proprietary extraction method.

### References

- 1 FMCG Gurus
- 2 Significantly reduced the severity and duration of symptoms following a controlled exposure to a common cold virus. Increases resilience and helps preserve quality of life, following a controlled challenge. (Lutter et al 2021 and McKay et al 2022)
- 3 Promoted the growth of beneficial bacterial species consistently (in different gut microbiome environments) and enhanced the production of short-chain fatty acids that foster a resilient gut ecosystem (acetate, propionate, and butyrate) with lower gas production than traditional prebiotics. (VandenAbbeele et al 2023)

## A fiber structure that is 'just right'

Benicaros® has a molecular structure with just the right complexity to precisely target and nourish specific health-related gut bacteria, including well-known species like *Bifidobacterium* as well as anti-inflammatory species such as *F. prausnitzii* and *A. hallii*. As a result, Benicaros consistently promotes the growth of beneficial gut microbes and the production of their active metabolites.

Remarkably, Benicaros overcomes the challenge of individual differences in gut microbiome composition, to ensure reliable and predictable health benefits. Benicaros is also the only precision prebiotic fiber supported by clinical evidence showing acceleration of protective immune responses, resulting in reduced symptom severity and duration and preservation of quality of life.

## The Benicaros® product range

To meet the multiple customer formulation needs, Benicaros is available in several formats as listed below. Speak to your local Sales contact to discuss the best format for your product application needs.

| Product                                | Format  | Recommended daily dosage |
|--|---------|--------------------------|
| Benicaros®<br><b>SF PURE P</b>         | Powder  | 300 mg                   |
| Benicaros®<br><b>SF PURE P ORGANIC</b> | Powder  | 300 mg                   |
| Benicaros®<br><b>SF PURE L</b>         | Liquid* | 775 mg                   |
| Benicaros®<br><b>SF P</b>              | Powder  | 850 mg                   |
| Benicaros®<br><b>SF L</b>              | Liquid* | 1.75 g                   |

\* A dry matter content of 35% w/w in liquid.

## About NutriLeads® B.V.

NutriLeads develops and supplies award-winning, plant-based, precision prebiotic fibers that improve health. Our upcycled, low-dose precision prebiotic, Benicaros®, is clinically proven to train faster, smarter and stronger immune responses and it specifically and consistently modulates the gut microbiome despite interpersonal differences in gut microbiome ecosystems, contributing to multiple health benefits. We partner with customers to create innovative foods, beverages and dietary supplements that enable consumers to proactively improve their health, naturally. NutriLeads is based in Wageningen, which is well known as the Food Valley of the Netherlands.

For more information, visit [www.nutrileads.com](http://www.nutrileads.com).



DISCLAIMER: This information is targeted for a B2B audience; it has not been evaluated by the Food and Drug Administration. Neither the information nor any formula(s) mentioned are intended to diagnose, treat, cure or prevent any disease.