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**PRESS RELEASE**

## **Infant formula containing Lacprodan® IF-3070 supports healthy growth, clinical study finds**

Infant formula containing Arla Foods Ingredients' Lacprodan® IF-3070 supports healthy growth, with trajectories comparable to those of breastfed infants, clinical research has found.<sup>1</sup> The study also found that it was well tolerated.

Lacprodan® IF-3070 is a partially hydrolysed whey protein ingredient specially designed to support gastrointestinal comfort in healthy infants.

In the clinical study, which focused primarily on safety and growth outcomes, 251 newborns under the age of 14 days were recruited from six Chinese hospitals. They were randomised to receive either a standard formula based on intact protein, or one containing both intact protein and Lacprodan® IF-3070 (approximately 40%). Breastfed infants were included as a reference.

At the end of the six-month intervention period, the difference in mean daily weight gain between the Lacprodan® IF-3070 group and the breastfed group was found to be only 0.4g per day. The difference between the standard formula group and the breastfed group was 1.1 g per day. In other words, growth trajectories in the infants receiving Lacprodan® IF-3070 were comparable to those who were breastfed.

In addition to being safe and supporting healthy growth, Lacprodan® IF-3070 was well tolerated. There were no significant differences in the incidence of adverse events (gastrointestinal disorders such as vomiting or refusal, respiratory diseases such as coughs, or general disorders such as fevers) between the Lacprodan® IF-3070 group and the breastfed group. By contrast, the incidence of gastrointestinal disorders was significantly higher in the standard formula group than in the breastfed group.

Lotte Neergaard Jacobsen, Chief Scientist, Early Life Nutrition, at Arla Foods Ingredients, said: "Healthy growth is one of the main benefits influencing infant formula purchases, and a particular focus in the Chinese market. At Arla Foods Ingredients, we have decades of experience in developing high-quality milk protein hydrolysates for infant formulas. We invest heavily in research to ensure the safety and high standards of our ingredients, and we're delighted that the first clinical study on Lacprodan® IF-3070 has confirmed that it supports healthy growth."

Since their introduction in the 1940s, milk protein hydrolysates have been widely used in infant nutrition due to their documented benefits for allergy management and the reduction of digestive discomfort.

With state-of-the-art manufacturing facilities, pilot plants and analytical labs, Arla Foods Ingredients is a leader in hydrolysate production. Part of the company's portfolio of hydrolysates, Lacprodan® IF-3070 can be used in China and the US, with the FDA approving the use of whey protein hydrolysates in infant formula in 2024.

The study was carried out at Peking University in collaboration with the Junlebao Dairy Group. Professor Yvan Vandeplass, MD, PhD at the KidZ Health Castle University Hospital Brussel (UZ Brussel), a key opinion leader in paediatric nutrition, was a consultant and co-investigator. The publication is the first of a series of four based on the study.

View the full research at: <https://www.mdpi.com/2072-6643/18/5/770>

<sup>1</sup> Shen Q, Jiang H, Mao S, Luo S, Hao Y, Liang W, He T, Jacobsen LN, Sheng N, Yin J, et al. An Infant Formula with Partially Hydrolyzed Whey and Intact Protein Demonstrates Adequate Growth and Safety: A 6-Month Randomized, Triple-Blind, Controlled Trial. *Nutrients*. 2026; 18(5):770.

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**About Arla Foods Ingredients**

Arla Foods Ingredients is a global leader in improving premium nutrition. Together with our customers, research partners, suppliers, NGOs and others, we discover and deliver documented ingredients and products that can advance lifelong nutrition for the benefit of consumers around the world.

We serve leading global brands in early life nutrition, medical nutrition, sports nutrition, health foods, and other foods and beverages.

Five reasons to choose us:

- We're passionate about improving nutrition
- We innovate by connecting the best
- We master both discovery and delivery
- We build strong, long-lasting partnerships
- We are committed to sustainability

Headquartered in Denmark, Arla Foods Ingredients is a 100% owned subsidiary of Arla Foods.

<https://www.arlafoodsingredients.com/>

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