



# Much more than just a natural source of choline

**BioCholine®**



## **SUPERIOR PERFORMANCE, NATURALLY**

- High bioavailability
- Stability and ease of management in feed and premixes
- Activator of lipid metabolism
- Improves zootechnical performance
- Improves the deposition of lean meat in carcasses
- Improves animal health
- Effectively replaces choline chloride in a cost-effective manner
- 100% natural

**nuproxa**  
*efficient solutions, naturally*

**A Swiss Company** 

# BioCholine®



## SYNERGISTIC ACTION BETWEEN MULTIPLE ACTIVE PRINCIPLES

Created using the most advanced nutrigenomics and transcriptomics methodologies, **BioCholine®** is one of the first herbal products with a scientifically proven mechanism of action.

 **High bioavailability**

**Biocholine®**

 **Stability and ease of management in feed and premixes**

 **Activator of lipid metabolism**

 **Improves zootechnical performance**

 **Improves the deposition of lean meat in carcasses**

 **Improves animal health**

 **100% natural**

 **Effectively replaces choline chloride in a cost-effective manner**

## BENEFITS

After more than 100 studies conducted in almost all animal species of zootechnical interest (poultry, pigs, ruminants, rabbits, aquatic animals, and pets) in research centers and universities in different parts of the world, in addition to field trials with large numbers of animals, we can assure that **BioCholine®** is much more than just a natural source of choline.

The active principles contained in this product participate in various metabolic processes, enhancing energy use in diets, preventing metabolic problems in the liver, improving the use and beta oxidation of free fatty acids, and stimulating chromosomal receptors such as peroxisome proliferator-activated receptor

alpha, which is involved in a series of metabolic processes and is responsible for the expression of several food-related genes.

This synergistic complex ensures the best performance in animals.

**BioCholine®** undergoes a special sanitation process to guarantee complete microbiological safety.

**BioCholine®** is fully compatible for inclusion in premixes and any type of balanced feed, causes no adverse reactions with other ingredients, and is also resistant to all feed production processes, including pelletization and extrusion.

  
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\*Sold and distributed in Latin America as BioCholine® and in Europe as Natu-B4®.