



## InnovaFeed and Ambiotis demonstrate anti-inflammatory potential of insect-based ingredient for pet nutrition

- New *in vitro* results highlight the ability of Hilucia™ for Pets ingredients to support inflammation resolution in dogs, opening new opportunities for functional pet food formulations

Paris, May 11, 2026 - Ahead of Interzoo 2026, **InnovaFeed**, in collaboration with **Ambiotis**, leader in inflammation resolution mechanisms, announces promising **new results demonstrating the anti-inflammatory potential of its ingredient Hilucia™ for Pets**.

As pet health becomes an increasing priority for pet owners, veterinarians, and brands, managing inflammation is a key challenge. Chronic inflammation is associated with a wide range of conditions in dogs and cats, including skin disorders, digestive issues, joint diseases, and reduced overall well-being.

### A targeted and innovative mechanism to support inflammation resolution

In an *in vitro* study conducted on a canine whole blood model, the hydrosoluble fraction of Hilucia™ for Pets showed a unique and selective modulation of cytokine secretion, a key mechanism in the body's inflammatory response.

Key findings include:

- **Reduction of TNF- $\alpha$** , a major pro-inflammatory cytokine, to levels comparable to dexamethasone, a reference anti-inflammatory compound
- **Increase of IL-10**, a critical anti-inflammatory cytokine involved in resolving inflammation
- **Selective regulation of cytokines**, unlike conventional anti-inflammatory compounds that suppress all cytokine secretions

This dual action suggests that **Hilucia™ for Pets does not simply inhibit inflammation but actively supports its resolution**, a critical physiological process to restore balance while maintaining immune function.

### A new generation of functional ingredients for pet health

These results reinforce the positioning of **Hilucia™ for Pets** as a **functional ingredient with tangible health benefits**, particularly relevant for:

- Sensitive diets

- Skin and coat health
- Digestive health
- Joint support and mobility
- Weight management

By combining bioactive peptides and naturally occurring compounds, the **ingredient offers a science-backed solution to address key health challenges in pets through nutrition.**

### **Industry collaboration driving innovation**

The study was conducted by Ambiotis, leveraging its expertise in inflammation biology and translational research.

"The resolution of inflammation is a key physiological process that restores tissue balance while maintaining immune system effectiveness. Through its dual modulation of cytokines—stimulating IL-10 and inhibiting TNF- $\alpha$ —Hilucia™ provides an innovative mechanism of action that naturally activates the body's own pathways for resolving inflammation." **said Gérald Chêne, Head of Laboratory at Ambiotis.**

### **From science to scalable solutions**

These findings illustrate Innovafeed's ambition to go beyond sustainability and deliver **ingredients with measurable health benefits** for pets.

"This study marks an important milestone in demonstrating that insect-based ingredients can play a functional role in pet health. With our Hilucia™ for Pets range, we are introducing a new generation of solutions that combine performance, science, and sustainability," **said Amélie Maurice, R&D Engineer at Innovafeed.**

### **Meet us at Interzoo 2026**

Innovafeed will be showcasing its latest innovations in pet nutrition, including Hilucia™ for Pets, at **Interzoo 2026: Hall 1 – Booth 522.**

**Download our Whitepaper:** <https://innovafeed.com/en/hilucia-pets/?popup=6971>

### **MEDIA CONTACT INNOVAFEED**

Nadège Audiffren, Innovafeed  
Head of Global Communications  
+ 33 6 64092594  
[nadege.audiffren@innovafeed.com](mailto:nadege.audiffren@innovafeed.com)