Technology Offer

New process for blood revalorization to generate an animal feed product with high added value.

This enzymatic hydrolyzate is a supplement of very high nutritional value for incorporation in aquaculture feed. .

Market need

Most of the blood from slaughterhouses is a waste management problem for this type of industry. This residual blood contains a large amount of components of interest and, therefore, can be used as raw material to generate products with high added value. To revalue the blood, hydrolysis processes are used to obtain peptides and amino acids. Chemical hydrolysis is currently used, but this process is not sustainable. This new enzymatic hydrolysis process makes it possible to obtain peptides that can be used as food additives with very beneficial properties.

CSIC solution

The peptides obtained by the new enzymatic hydrolysis method present characteristics that make them interesting to be used in animal feed, especially in the fish farming industry. They have been shown to promote growth rate, increase swimming performance and allow the prevention and/or treatment of stress and behavioral disorders of the subjects.Similarly, the bioactive peptides generated show antioxidant, anti-inflammatory, hypoglycemic and immunomodulatory activity. Therefore, the new hydrolyzate can be used in different food and pharmaceutical applications.

Competitive advantages

- ✓ Revaluation of meat industry by-producto
- ✓ Sustainable and easily aplicable hydrolysis method
- ✓ Obtaining peptides that promote growth rate, increase swimming perfonrmance and allow the prevention and/or treatment of stress and behavioral disorders
- ✓ Method aplicable in food and pharmaceutical industries

Intellectual Property

Priority patent application filed

Intended Collaboration

Licensing and/or co-development

Stage of development

Technology ready for test in an industrial environment

Contact

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