

**Dietetic supplements and pharmaceutical compositions to reduce risk or to treat diseases related with fat tissue deposition.**

**BACKGROUND**

Due to the increased and worldwide extended consumption of processed food and food rich in fat, diseases or disorders related with the deposition of fat in tissues, are a trend involving high costs for the health system and serious health problems in subjects such as obesity, atherosclerosis and fat liver diseases.

So far, cocktails of certain compounds have been tested as supplements in diet as a possible therapeutic strategy. However, there is still a need of alternative approaches to face all these diseases or disorders associated with fat accumulation in tissues.



**THE TECHNOLOGY**

Pharmaceutical or dietary supplement composition comprising a particular combination of compounds including histidine, serine, cysteine and carnosine for the treatment of diseases characterized by accumulation of fat in tissues, such as in fatty liver disease, obesity, and atherosclerosis.

Apart from the therapeutic purpose, this product could be used to prevent or reduce the risk of suffering any of the diseases related to fat accumulation in tissues.

Innovative aspects:

- First patent protecting a combination of amino acids to combat fat lipids accumulation in tissues.

**COMMERCIAL OPPORTUNITY**

We are looking for a partner for product development and clinical trials and/or patent licensing.

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**STATE OF DEVELOPMENT**

Preclinical studies have been performed.

**INTELLECTUAL PROPERTY**

A European patent has been filed (EP22382390), priority date: 25<sup>th</sup> April 2022

**MARKET OPPORTUNITY**

Food industry sector, pharmaceutical industry sector

**RESEARCH TEAM**

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**KEYWORDS**

Dietetic supplements,  
pharmaceutical compositions, fat  
tissue deposition, nutrition,  
medicine, amino acids

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