



## 雞肝水解物於肝臟保護之用途

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簡歷：<http://www.ansc.ntu.edu.tw/people/bio.php?PID=123>

### 市場及需求:

慢性肝炎及肝硬化為台灣署公告之 2014 年的十大死因之一，且肝癌亦為十大至死癌症之一，因此肝病的預防與治療是台灣重要的衛生保健課題。長期過度飲酒會造成酒精性肝損傷，但目前並無有效預防或治療之方法，故具有護肝功效之醫藥保健品之研發為極具經濟價值之研究方向。

### 技術摘要(含成果):

本研發之將雞肝以酵素水解，獲得一含有多種游離胺基酸以及其他有效成分之雞肝水解物(CLHs)。本研發之雞肝水解物具有抗氧化及調節血脂能力，且能降低酒精或硫代乙醯胺誘發之肝臟發炎反應或是肝臟損傷之現象。

### 優勢:

本研發之雞肝水解物提升了雞肝的經濟價值，且雞肝水解物具有多種功效，如抗氧化、調節血脂、保護肝損傷等等，十分適合用來製備具有多功效的營養保健食品。

### 競爭產品:

目前市售之保肝保健品包含了五味子、芝麻素、蜆精或樟芝等等，但目前市面上還未有以雞肝水解物為主要有效成分銷售的保健食品。

### 專利現況:

- (1)本發明目前尚未申請任何專利。
- (2)本研究團隊具有純熟與高度的研發能力。

### 聯絡方式:

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# The uses of chicken liver hydrolysates in liver protection

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## Market Needs:

According to the report of Taiwan Ministry of Health and welfare, chronic hepatitis and cirrhosis is in one of the 10 leading causes of death in 2014, and liver cancer is one of the 10 leading lethal cancers in Taiwan. The prevention and treatment of liver diseases became an important issue of healthcare in Taiwan. Chronic excessive alcohol consumption induces alcoholic liver disease (ALD) and there is still no effective method to prevent or to treat ALD. Thus, investigation and development of liver-protection medical or nutraceutical is a topic with highly economic value.

## Our Technology:

This study included chicken liver hydrolysates (CLHs) obtained by hydrolyzing chicken liver with enzymes, and the CLHs contains multiple free amino acids and other effective ingredients. The functions of the CLHs include anti-oxidation, blood-lipid regulation, and mitigation of alcohol-induced or thioacetamide-induced liver damage.

## Strength:

This study elevates the economic value of chicken liver and the CLHs are multi-functional product including anti-oxidation, blood-lipid regulation, or liver protection. CLHs are able to prepare nutraceuticals with multiple efficacies.

## Competing Products:

Schisandra chinensis, sesamin, Clam extract, and Antrodia cinnamomea are the major ingredient of nutraceutical with liver-protection effects in Taiwan. And until now, CLH is not being used as liver protective ingredient in nutraceutical.

## Intellectual Properties:

- (1) This invention has never been used for patent application
- (2) Our research group is skillful and highly capable.

## Contact:

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