

# 藥學科技(二)報告：專利平台檢索

姓名：王羿茹

學號：B303098094

檢索主題：Riboflavin

## 1. 以全文檢索查 Riboflavin

**Patent Search**

**Fielded Search** Publication Number

**1 Review Selected Collections:** [US Grant](#), [US App](#), [EP Grant](#), [EP App](#), [WO App](#)

**2 Enter Criteria:**

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## 2. 檢索結果

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Patent Result Set

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30,333 records found out of 18,379,431 searched (Display Limit 30,000)

0 records selected

| Publication Number                                                        | Publication Date |
|---------------------------------------------------------------------------|------------------|
| US8086414B2                                                               | 2011-12-27       |
| Title: Method and system for modeling cellular metabolism                 |                  |
| US8084400B2                                                               | 2011-12-27       |
| Title: Method of using catalpic acid to treat dyslipidemia                |                  |
| US8084495B2                                                               | 2011-12-27       |
| Title: Resveratrol ferulate compounds and compositions                    |                  |
| US8084212B2                                                               | 2011-12-27       |
| Title: Assay for Mycobacterium avium/intracellular nucleic acid           |                  |
| US8084973B2                                                               | 2011-12-27       |
| Title: Anisic acid modified steviol glycoside sweetened beverage products |                  |
| US8084065B2                                                               | 2011-12-27       |
| Title: Magnolia extract containing compositions                           |                  |
| US8084063B2                                                               | 2011-12-27       |
| Title: Magnolia extract containing compositions                           |                  |
| US8084061B2                                                               | 2011-12-27       |
| Title: Body fat-reducing agent                                            |                  |

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### 3. 其中一項檢索結果：Patent US8084496B2

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Patent Record View - US8084496B2

**Record View: Patent US8084496B2**

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**DWPI Title ?**

**Original Title ?**  
Resveratrol ferulate compounds and compositions

**Abstract ?**  
Resveratrol ferulate compounds and compositions.

**First Claim ?**  
1. A compound selected from the group:

- 3-ferulate-5,4'-dihydroxystilbene;
- 5-ferulate-3,4'-dihydroxystilbene;
- 4'-ferulate-3,5-dihydroxystilbene;
- 3,5-diferulate-4'-hydroxystilbene;
- 3,4'-diferulate-5-hydroxystilbene;
- 4'-3-diferulate-3-hydroxystilbene;
- 3,5,4'-triferulate stilbene; or
- mixtures thereof.

**Assignee / Applicant ?**  
Original: ELC Management LLC, New York, NY, US

**Inventor ?**  
Maes Daniel H., Huntington, NY, US; Mohammadi Fatemeh, Hauppauge, NY, US; Qu Lisa, Flushing, NY, US; Czarnota Anna, Huntington, NY, US; Mammoni Thomas, Farmingdale, NY, US; Dedercq Lieve, Ekeren, BE; Zecchino Julius R., New York, NY, US

**Publication Number / Date ?**  
US8084496B2 / 2011-12-27

**Application Number / Date ?**  
US2010775206A / 2010-05-06

**Priority Number / Date ?**  
US2010775206A / 2010-05-06

**IPC ?**

| Current IPC | Invention                | Version              | Additional | Version  |
|-------------|--------------------------|----------------------|------------|----------|
| Full        | A61K 31/216<br>A61K 8/18 | 20060101<br>20060101 | A01N 37/16 | 20060101 |
| Main Group  | -                        | -                    | -          | -        |
| Subclass    | -                        | -                    | -          | -        |

| Original IPC    | Invention                | Version              | Additional | Version  |
|-----------------|--------------------------|----------------------|------------|----------|
| Advanced/Full   | A61K 31/216<br>A61K 8/18 | 20060101<br>20060101 | A01N 37/16 | 20060101 |
| Core/Main Group | -                        | -                    | -          | -        |
| Subclass        | -                        | -                    | -          | -        |

Record 3 of 30000

### 4. 再跳回 Patent Search，並多加一檢索項目。

**Patent Search**

**Fielded Search** Publication Number

1 **Review Selected Collections:** [US Grant](#), [US App](#), [EP Grant](#), [EP App](#), [WO App](#)

2 **Enter Criteria:**

Title/Abstract/Claims ? riboflavin

AND Text Fields ? synthesis

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## 5. 搜尋結果

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Patent Result Set

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| Publication Number                                                                                                                                                                                                                | Publication Date |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| US8052002B2                                                                                                                                                                                                                       | 2011-11-08       |
| Title: Compositions and methods for fortifying a base food to contain the complete nutritional value of a standard equivalent unit of the nutritional value of one serving of fruits and vegetables ("SPV") for human consumption |                  |
| US8021659B2                                                                                                                                                                                                                       | 2011-09-20       |
| Title: Coenzyme Q10, lactoferrin and angiogenin compositions and uses thereof                                                                                                                                                     |                  |
| US8044051B2                                                                                                                                                                                                                       | 2011-10-25       |
| Title: Methods and compositions for the production of high concentration alkaloxazine solutions                                                                                                                                   |                  |
| US8026382B2                                                                                                                                                                                                                       | 2011-09-27       |
| Title: Lipid raft, caveolin protein, and caveolar function modulation compounds and associated synthetic and therapeutic methods                                                                                                  |                  |
| US8017398B2                                                                                                                                                                                                                       | 2011-09-13       |
| Title: Method for the preparation of dermal papilla tissue employing mesenchymal stem cells                                                                                                                                       |                  |
| US8017110B1                                                                                                                                                                                                                       | 2011-09-13       |
| Title: Induction of and maintenance of nucleic acid damage in pathogens using <b>riboflavin</b> and light                                                                                                                         |                  |
| US8012134B2                                                                                                                                                                                                                       | 2011-09-06       |
| Title: Oligonucleotides comprising a non-phosphate backbone linkage                                                                                                                                                               |                  |
| US7999007B2                                                                                                                                                                                                                       | 2011-08-02       |
| Title: Weight loss composition                                                                                                                                                                                                    |                  |

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## 6. 點進其中一項搜尋結果：Patent US8017110B1

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Full View Jump to: Bibliography Abstract Classes/Indexing Legal Status Family Claims Description Citations Other

Quick View

**Bibliography**

Original Title: Induction of and maintenance of nucleic acid damage in pathogens using **riboflavin** and light

Assignee/Applicant: Standardized: CARDIANBCT BIOTECHNOLOGIES LLC  
Original: Cardianbct Biotechnologies LLC, Lakewood, CO, US

Inventor: Goodrich Raymond P., Lakewood, CO, US; Keil Shawn D., Wheatridge, CO, US; Lockerbie Robert Owen, Littleton, CO, US; Kumar Vijay, Gold River, CA, US

Publication Date (Kind Code): 2011-09-13 (B1)

Application Number / Date: US12155983A / 2011-06-08

Priority Number / Date / Country: US2000586147A / 2000-06-02 / US; US2002319488P / 2002-08-23 / US; US2002319641P / 2002-10-22 / US; US2003377524A / 2003-02-28 / US; US2003648536A / 2003-08-25 / US; US2007932629A / 2007-10-31 / US; US13155983A / 2011-06-08 / US

**Abstract**

A process for damaging and maintaining damage to the nucleic acids of pathogens such as white blood cells, bacteria and viruses which may be contained in blood or blood components. This process comprises adding to the blood or blood component containing pathogens an effective amount of **riboflavin**, and exposing the fluid to light of an appropriate wavelength to damage the nucleic acid of the pathogen and to substantially maintain the damage to the pathogenic nucleic acids to allow for subsequent transfusion into a recipient.

**Classes/Indexing**

IPC

| Current IPC | Invention  | Version  | Additional | Version |
|-------------|------------|----------|------------|---------|
| Full        | A01N 53/00 | 20060101 |            |         |
|             | A01N 1/02  | 20060101 |            |         |
|             | C12N 5/00  | 20060101 |            |         |
|             | C12N 5/02  | 20060101 |            |         |
|             | C12N 5/07  | 20100101 |            |         |
|             | C12N 5/071 | 20100101 |            |         |
| Main Group  | C12N 5/10  | 20060101 |            |         |
| Subclass    | C12N 5/10  | 20060101 |            |         |

| Original IPC    | Invention  | Version  | Additional | Version |
|-----------------|------------|----------|------------|---------|
| Advanced/Full   | A01N 53/00 | 20060101 |            |         |
|                 | A01N 1/02  | 20060101 |            |         |
|                 | C12N 5/00  | 20060101 |            |         |
|                 | C12N 5/02  | 20060101 |            |         |
|                 | C12N 5/07  | 20060101 |            |         |
|                 | C12N 5/071 | 20060101 |            |         |
| Core/Main Group | C12N 5/10  | 20060101 |            |         |
| Subclass        | C12N 5/10  | 20060101 |            |         |

**ECLA**   
[ARI/N 43/00-M](#)

**US Class**   
 Current: [424/093.1](#); [424/093.4](#); [424/093.6](#); [424/093.71](#); [435/002](#); [435/173.1](#); [435/325](#); [435/363](#); [435/366](#); [435/372.2](#); [435/372.3](#)  
 Original: [424/093.1](#); [424/093.4](#); [424/093.6](#); [424/093.71](#); [435/002](#); [435/173.1](#); [435/363](#); [435/366](#); [435/372.2](#); [435/372.3](#); [435/325](#)  
 Field Of Search: -

**Locarno Class**   
 -

**Legal Status**

**INPADOC Legal Status**   

| Gazette Date | Code | Description                                                                                                                                                                    |
|--------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2011-06-30   | AS   | ASSIGNMENT CARIDIANBCT BIOTECHNOLOGIES, LLC, COLORADO ASSIGNMENT OF ASSIGNORS INTEREST ASSIGNOR: GAMBRO, INC. REEL/FRAME: 026528/0793 2011-06-28                               |
| 2011-06-30   | AS   | ASSIGNMENT GAMBRO, INC., COLORADO ASSIGNMENT OF ASSIGNORS INTEREST ASSIGNORS: LOCKERBIE, ROBERT OWEN KUMAR, VIJAY KEIL, SHAWN D. AND OTHERS REEL/FRAME: 026528/0727 2003-08-25 |

[Get Family Legal Status](#)

**US Reassignments**   
 Expand Reassignments

**US Litigation**   
 Expand Litigation

**Family**

**Family**   
 Expand INPADOC Family (173)

**Claims**

**Claims**   
 1. A process for inhibiting self-repair of nucleic acid of pathogenic white blood cells, bacteria and/or viruses which may be contained in blood components comprising the steps of:  
 • adding to the blood components **riboflavin** acting as a photosensitizer at a final concentration of between about 50-500 µM;  
 • irradiating the blood components and **riboflavin** acting as a photosensitizer with light in a visible or UV range at an appropriate wavelength to activate the **riboflavin** acting as a photosensitizer to fragment the nucleic acid of the pathogenic white blood cells, bacteria and/or viruses to inhibit self-repair of the nucleic acid; and  
 • wherein the inhibition of nucleic acid self-repair caused by the photosensitizer and light is maintained over time such that the pathogenic white blood cells, bacteria and/or viruses will not reproduce in the blood components.  
 Expand All Claims (5)

**Description**

**Background/ Summary**   
 Expand Background/Summary

**Drawing Description**   
 Expand Drawing Description

**Description**   
 Expand Description

**Citations**

**Citation**   
 Expand Citing Patents (0)  
 Expand Cited Patents (0)  
 Expand Cited Non-patents (1)

**Other**

**Attorney / Agent**   
 Aroniegas Laura Butterfield

**Examiner**   
 Steadman, David J / Lee, Jae W

**Related Applications**   

| Parent/Child | Application Number | Filed Date | Publication Number          | Publication Date | Type of Relationship | Status    |
|--------------|--------------------|------------|-----------------------------|------------------|----------------------|-----------|
| P            | US2002319488P      | 2002-08-23 | -                           | -                | Provisional          | -         |
| P            | US2002319641P      | 2002-10-22 | -                           | -                | Provisional          | -         |
| C            | US13155983A        | 2011-06-08 | -                           | -                | -                    | -         |
| P/C          | US2007932629A      | 2007-10-31 | <a href="#">US7365588B2</a> | 2011-07-26       | Continuation         | Unknown   |
| P/C          | US2003648536A      | 2003-08-25 | <a href="#">US7501673B2</a> | 2011-03-08       | Continuation-in-part | Unknown   |
| P/C          | US2003377524A      | 2003-02-28 | -                           | -                | Continuation         | Pending   |
| P            | US2000586147A      | 2000-06-02 | -                           | -                | Continuation         | Abandoned |

**Parent Case**   
 Expand Parent Case

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## 7. 使用心得：

專利檢索平台是個有利檢閱各國專利的網站，功能除了檢索專利之外，還可建檔、建立圖表、並利用從使用者所查閱的專利紀錄中建立專利地圖.....等。

其中，專利地圖是個很棒的功能。可以選擇某家公司所有申請的專利進行分析，如此便可分析出此家公司所鑽研的路線...等等。或者是設定一專利在各國分布的情形。

另一我覺得很不錯的功能為 **Citation Map** (引用地圖)，可以知道我所查詢的專利是引用了哪些專利而研發出來，也可以查詢有哪些專利是因為這才申請出來的，上下游的專利資料都查得出來。

THOMSON Innovation 的功能很多，但是學校所買的功能只有查詢專利內容，希望學校能再購買此平台的更多功能，使用起來才會更加方便。