

科目：藥學科技(二)

作業：scifinder & innovation

指導老師：吳建德老師

系級：983 藥三

學號：B303098001

姓名：廖翊凱

一、scifinder

1. 主題：大飛揚草 *euphorbia hirta* 的化學組成

2. 使用過程

(1) 於 research topic 一欄中，打上關鍵字：euphorbia hirta chemical constituent

後按下「search」鍵

The screenshot shows the SciFinder web interface in a Windows Internet Explorer browser. The address bar displays the URL: <https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf>. The page header includes the SciFinder logo and navigation links for Explore References, Explore Substances, and Explore Reactions. A user is logged in as 'katy lao'. The main search area is titled 'Explore References' and contains a 'Research Topic' field with the text 'euphorbia hirta chemical constituent'. Below this field are examples of search results: 'The effect of antibiotic residues on dairy products' and 'Photocyanation of aromatic compounds'. To the right of the search field is a 'Search' button. Below the search field are filters for 'Publication Year(s)', 'Document Type(s)', and 'Language(s)'. The 'Document Type(s)' filter includes checkboxes for Biography, Book, Clinical Trial, Commentary, Conference, Dissertation, Editorial, Historical, Journal, Letter, Patent, Preprint, Report, and Review. The 'Language(s)' filter includes checkboxes for Chinese, English, German, Italian, Polish, and Russian. On the right side of the page, there are sections for 'Saved Answer Sets' and 'Keep Me Posted Results'.

(2) 出現兩種選擇：一為相關性較大的，裡面有 2 筆資料；另一為凡文章中含有關鍵字者，但相關性較小，有 12 筆資料。勾選相關前者，按下「get reference」鍵

SciFinder - Research Topic Candidates - Windows Internet Explorer

https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf

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Add KMP Alert Research Topic "euphorbia hirta chemical const..."

Research Topic Candidates

2 Topics 1 Selected

Select All Deselect All

	Research Topic Candidates	References
☒	2 references were found containing the concept "euphorbia hirta chemical constituent".	2
☐	12 references were found containing all of the concepts "euphorbia hirta", "chemical" and "constituent".	12

Get References

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(3) 出現兩筆資料，且搜尋的關鍵字有被標註出來。

SciFinder - Reference Answer Set - Windows Internet Explorer

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Add KMP Alert Research Topic "euphorbia hirta chemical const..." > references (2)

References

2 References 0 Selected

Select All Deselect All

Sort by: Accession Number

Display: [20]

Save Print Export

Answers per Page [20]

1. **Euphorbia hirta: its chemistry, traditional and medicinal uses, and pharmacological activities**
By Kumar, Sunil; Malhotra, Rashmi; Kumar, Dinesh
From Pharmacognosy Reviews (2010), 4(7), 58-61. Language: English, Database: CAPLUS
A review. The oldest remedies known to mankind are Herbal medicines. India is known worldwide for its Ayurvedic treatment. **Euphorbia hirta** is often used traditionally for female disorders, respiratory ailments (cough, coryza, bronchitis, and asthma), worm infestations in children, dysentery, jaundice, pimples, gonorrhea, digestive problems, and tumors. It is reported to contain alkanes, triterpenes, phytosterols, tannins, polyphenols, and flavanoids. This review describes the medicinal properties, **chem. constituents**, and other important aspects of **Euphorbia hirta**.
+Substances +Reactions ~1 Citing Full Text Link 0 Comments 0 Tags

2. **Pharmacognostic study of plant Euphorbia hirta L**
By Bhagwat, Giram Ganesh; Mahadev, Chaulang Ganesh; Sahebrao, Ghodke Dhananjay; Suresh, Patil Kundan; Govindrao, Yeole Pramod; Onkar, Ganjiwale Rajendra
From Journal of Pharmacy Research (2008), 1(1), 39-43. Language: English, Database: CAPLUS
Euphorbia hirta L (Family: - **Euphorbiaceae**) is a folklore medicine of India used as antiasthmatic, anthelmintic, wound healing, antibacterial, antioxidant and diuretics. Powd. leaves of **Euphorbia hirta** linn were subjected to successive soxhlet extn. with petroleum ether (60-80°C), chloroform, acetone (70%) and finally macerated with water so as to get resp. exts. Also cold maceration was done using water & Ethanol (70%). The exts. were screened for its physicochem. characteristics, preliminary phytochem. study of exts. and quant. estn. of total phenolic and flavonoid content. The pharmaco...
+Substances +Reactions ~0 Citing Full Text Link 0 Comments 0 Tags

Analysis Refine

Analyze by: Author Name

Click bar to view only those references within the current answer set

Bhagwat Giram Ganesh	1
Govindrao Yeole Pramod	1
Kumar Dinesh	1
Kumar Sunil	1
Mahadev Chaulang Ganesh	1
Malhotra Rashmi	1
Onkar Ganjiwale Rajendra	1
Sahebrao Ghodke Dhananjay	1
Suresh Patil Kundan	1

Show More

Categorize

More detailed analysis based on CAS indexing

(4) 第一筆資料標題即含先前所打的關鍵字，點選進去瀏覽

SciFinder - Euphorbia hirta... - Windows Internet Explorer

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檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H) x 轉換 選擇

我的最愛 網頁(W) 安全性(S) 工具(O) 選擇

Reference Detail

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1. Euphorbia hirta: its chemistry, traditional and medicinal uses, and pharmacological activities

By: Kumar, Sunil; Malhotra, Rashmi; Kumar, Dinesh

A review. The oldest remedies known to mankind are herbal medicines. India is known worldwide for its Ayurvedic treatment. Euphorbia hirta is often used traditionally for female disorders, respiratory ailments (cough, coryza, bronchitis, and asthma), worm infestations in children, dysentery, jaundice, pimples, gonorrhea, digestive problems, and tumors. It is reported to contain alkanes, triterpenes, phytosterols, tannins, polyphenols, and flavonoids. This review describes the medicinal properties, chem. constituents, and other important aspects of Euphorbia hirta.

Indexing

Plant Biochemistry (Section 11-0)

Section cross-reference(s): 14

Concepts

Acne	Asthma
Bronchitis	Cough
Dysentery	Euphorbia hirta
Human	Jaundice
Natural products, pharmaceutical	Neoplasm

chem. constituents, pharmacol. activity in human, traditional, medicinal properties of Euphorbia hirta

Quick Links

0 Tags, 0 Comments

Source

Pharmacognosy Reviews
Volume 4
Issue 7
Pages 58-61
Journal: General Review; Online
Computer File
2010
CODEN: PRHEEV
ISSN: 0973-7847
DOI: 10.4103/0973-7847.65327

Company/Organization

Institute of Pharmaceutical Sciences
Kurukshetra University
Kurukshetra, India 136 119

Accession Number

2010:942587
CAN 154:27489
CAPLUS

Publisher

Medknow Publications and Media Pvt. Ltd.
http://www.phcogrev.com/article.a

SciFinder - Euphorbia hirta... - Windows Internet Explorer

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我的最愛 網頁(W) 安全性(S) 工具(O) 選擇

Concepts

Acne	Asthma
Bronchitis	Cough
Dysentery	Euphorbia hirta
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Natural products, pharmaceutical	Neoplasm

chem. constituents, pharmacol. activity in human, traditional, medicinal properties of Euphorbia hirta discussed

Alkanes	Flavonoids
Phytosterols	Tannins
Triterpenes	

chem. constituents, pharmacol. activity in human, traditional, medicinal properties of Euphorbia hirta discussed

Biological study, unclassified; Biological study

Nose disease

coryza; chem. constituents, pharmacol. activity in human, traditional, medicinal properties of Euphorbia hirta discussed

Sexually transmitted diseases

SciFinder - Euphorbia hirta... - Windows Internet Explorer

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我的最愛 我的最愛 網路(N) 安全性(S) 工具(O) 我的最愛

Alkanes	Flavonoids
Phytosterols	Tannins
Triterpenes	

chem. constituents, pharmacol. activity in human, traditional, medicinal properties of *Euphorbia hirta* discussed

Biological study, unclassified; Biological study

Nose disease

coryza; chem. constituents, pharmacol. activity in human, traditional, medicinal properties of *Euphorbia hirta* discussed

Sexually transmitted diseases

gonorrhea; chem. constituents, pharmacol. activity in human, traditional, medicinal properties of *Euphorbia hirta* discussed

Phenols

polyphenols, nonpolymeric; chem. constituents, pharmacol. activity in human, traditional, medicinal properties of *Euphorbia hirta* discussed

Biological study, unclassified; Biological study

Language

English

Supplementary Terms

review; *Euphorbia*; pharmacol

SciFinder - Euphorbia hirta... - Windows Internet Explorer

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我的最愛 我的最愛 網路(N) 安全性(S) 工具(O) 我的最愛

Biological study, unclassified; Biological study

Supplementary Terms

review; *Euphorbia*; pharmacol

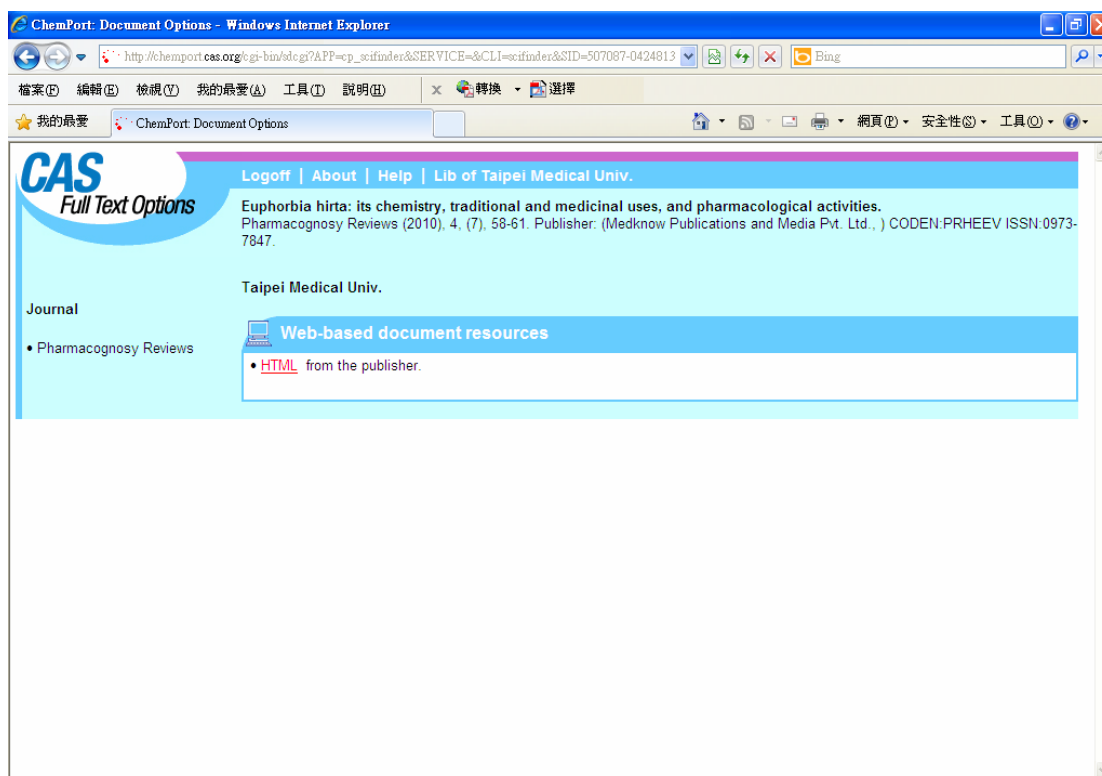
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Tags

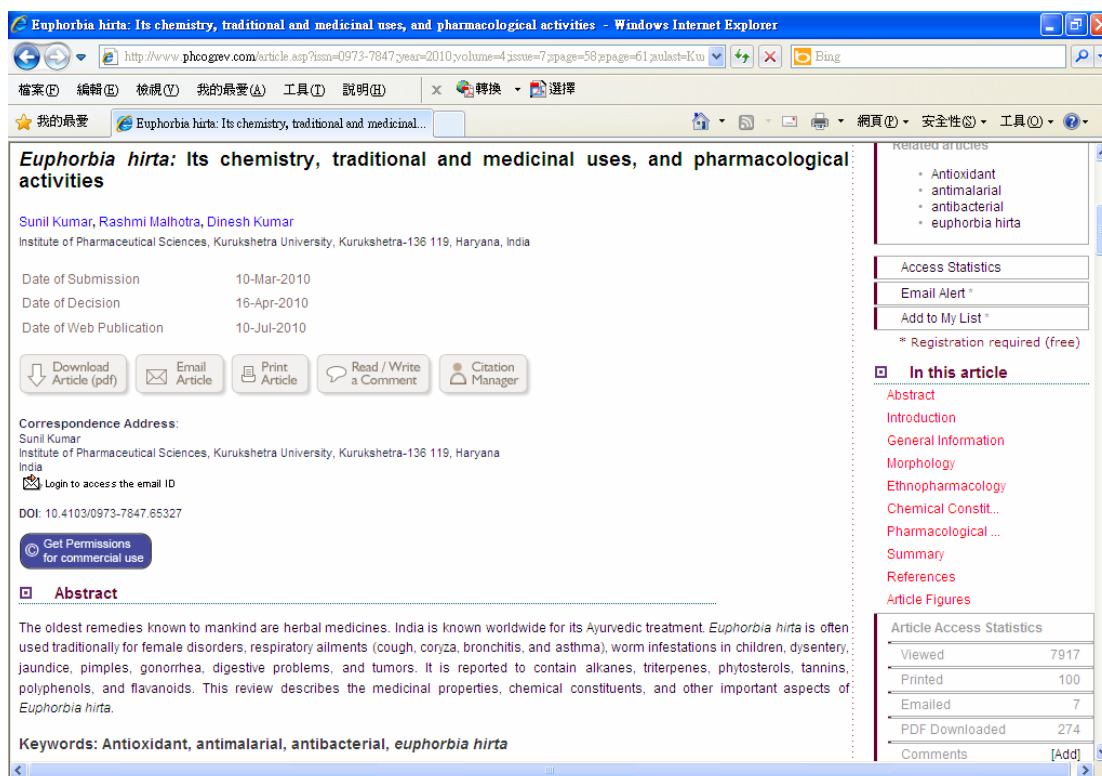
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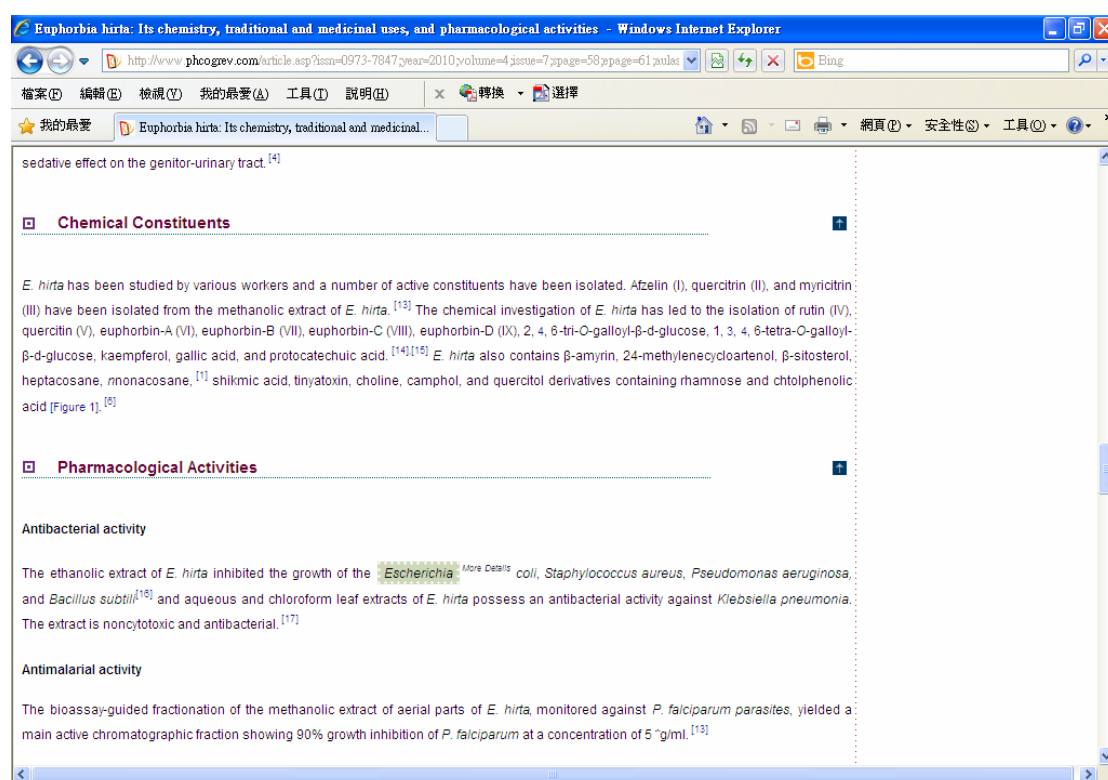


(6) 連結至原始網站：

<http://www.phcogrev.com/article.asp?issn=0973-7847;year=2010;volume=4;issue=7;spage=58;epage=61;aualast=Kumar>



(7) 找到我所要的 *euphorbia hirta* 的化學組成



3. 使用心得：

感覺 scifinder 是個很有趣的搜尋引擎，功能非常地多元，之前在課堂上試用，令我最驚艷，同時也最喜歡的功能，是可以直接畫某物質的結構式，便可查出其名稱，還有合成此物質的方法。

這次之所以用「*euphorbia hirta* 大飛揚草的化學組成」，來做為我的主題，是因為剛好其他選修課的報告，須要查詢其化學成分、性質及毒理資料。既然有機會用到如此專業且實用的網站，理所當然拿來試一下。

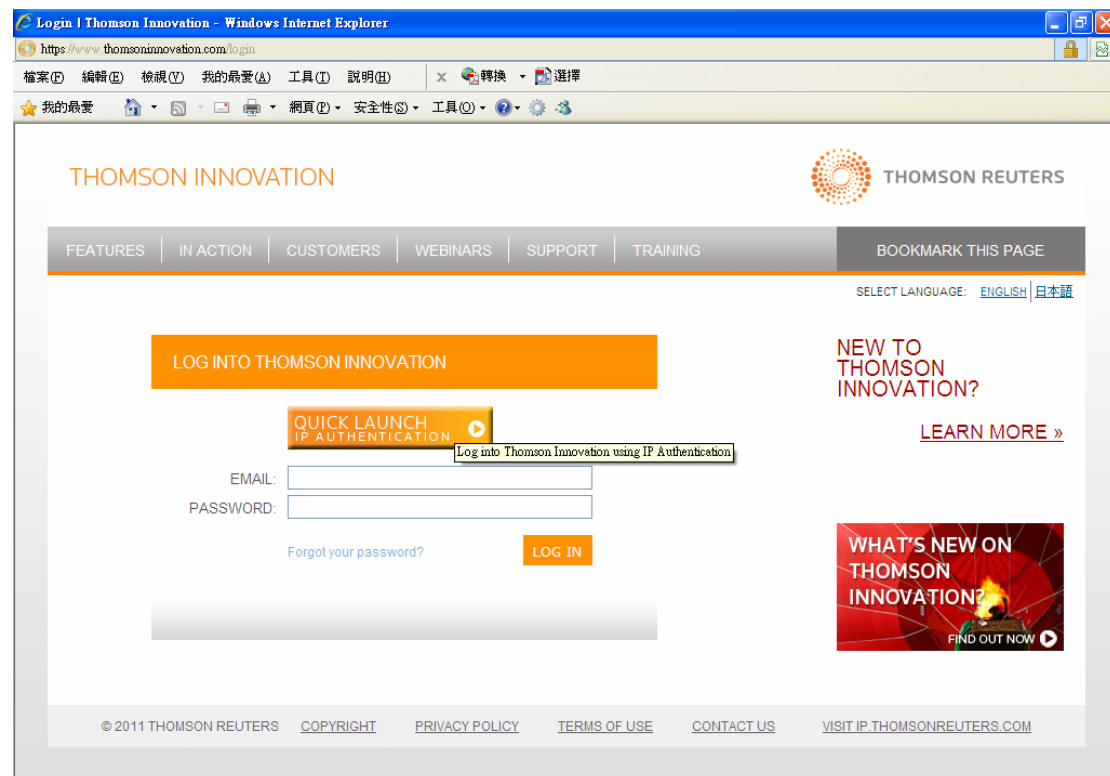
美中不足的，是 scifinder 每次使用的人數上限，只有 2 人的額度，有些嚴苛，每次到圖書館準備查資料之前，總要膽戰心驚一下，若能開放更多名額，相信 scifinder 在北醫將會更為普遍，大家也將更容易找尋到適合的資料。

二、innovation

1. 主題：humalog

2. 使用過程

(1) 進入網站首頁後，點選中間的「quick launch」



(2) 於頁面最左欄，選擇「patent search」，在「search」欄中，打上：humalog

Thomson Innovation - Windows Internet Explorer
http://www.thomsoninnovation.com/http-innovation/searchPatent.do

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Quick Search: Patents printer Go ?

Patent Search

Fielded Search Publication Number

1 Review Selected Collections: US Grant, US App, EP Grant, EP App, WO App

2 Enter Criteria:

Text Fields ? humalog

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(3) 輸入後，有很多筆資料，找到與糖尿病有關的資料主題：amidated insulin glargine，下載其 pdf 檔

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Patent Result Set 1,490 records found out of 18,363,479 searched (Display Limit 30,000)

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US8071539B2 2011-12-06

Title: Albumin fusion proteins

US8066665B2 2011-11-29

Title: Device and method employing shape memory alloy

US8062640B2 2011-11-22

Title: High affinity human antibodies to PCSK9

US8048453B1 2011-11-01

Title: Pharmaceutical composition of nanoparticles for protein drug delivery

US8048404B1 2011-11-01

Title: Pharmaceutical composition of nanoparticles for protein drug delivery

US8048854B2 2011-11-01

Title: Amidated insulin glargine

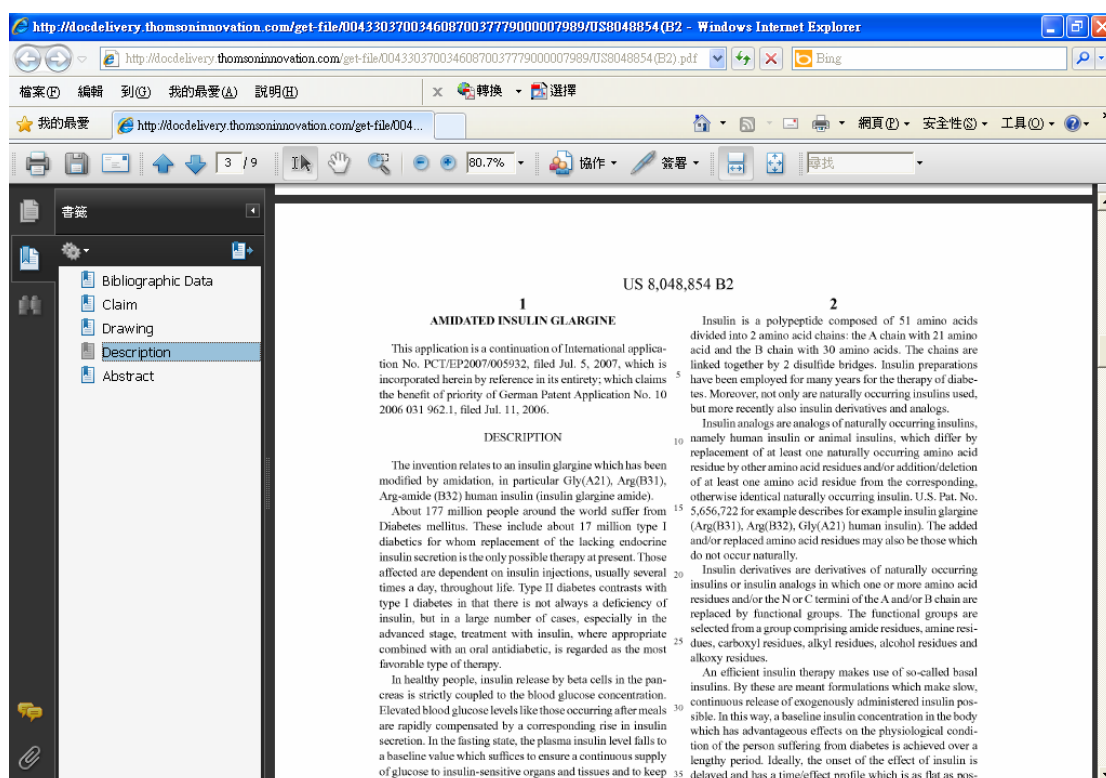
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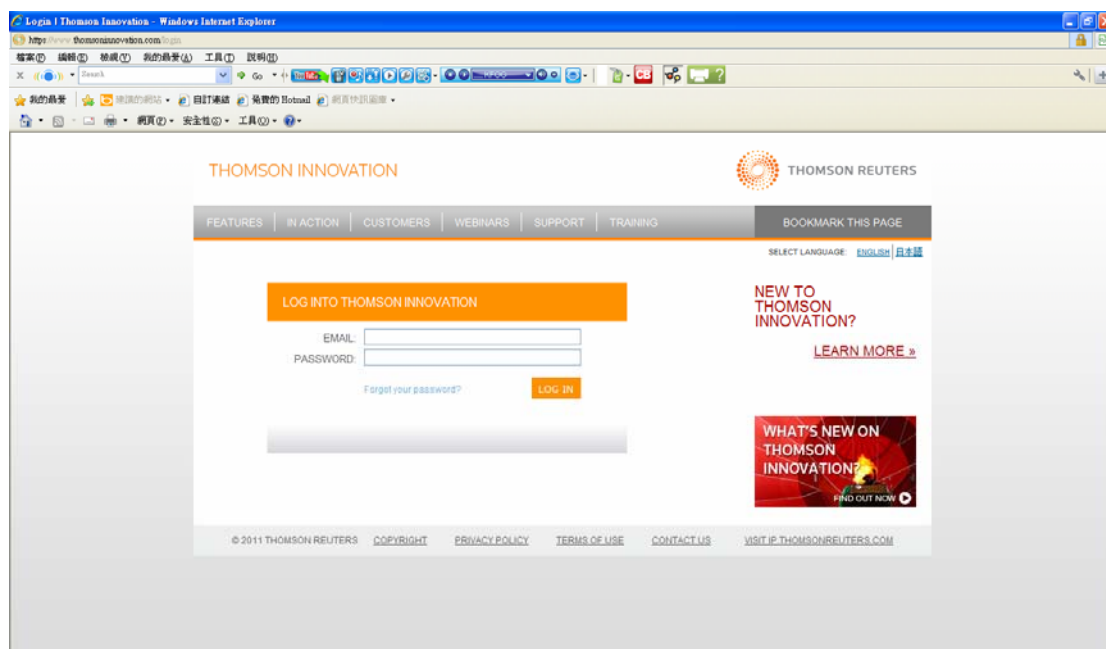
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(4) 得到原本的資料內容



3. 使用心得：

innovation 的使用，我一開始很不信邪地，先用家裡的電腦直接進入網頁，可是發現怎麼樣都無法使用，請教同學之後，才發現用未經認證的電腦進入網站，看到的畫面跟使用學校電腦的畫面不一樣！



所以最後還是乖乖地到學校使用囉。

這次的主題，是選用藥化課程剛學到的人類胰島素類似物：humalog，想知道關於其降血糖的細節和專利資料。但這次使用起來，感覺不若 scifinder 那樣得心應手，可能我還沒有非常清楚 innovation 的使用方法。另外，我的主題、關鍵字，定得也不夠明確，只打了「humalog」而沒有其他關於降血糖相關的字詞，所以出現多筆不是我所想要的相關資料。