

SciFinder 資料庫檢索報告

藥三 a B114097064 林冠維

- 自訂題目：想檢索以誘導細胞凋亡為主要機制的藥物
- 自訂關鍵字：apoptosis inducing drug

1. 初步檢索後，選擇上面那欄結果(確定有包含關鍵字的篇章)

SciFinder - Research Topic Candidates - Windows Internet Explorer

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

Welcome Eleanor Lin | Sign Out

Add KMP Alert Research Topic "apoptosis inducing drugs" > references (88)

Research Topic Candidates

Research Topic Candidates	References
☒ 88 references were found containing "apoptosis inducing drugs" as entered.	88
☐ 14230 references were found containing the concept "apoptosis inducing drugs".	14230

Get References

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2. 搜尋結果的顯示第一頁

SciFinder - Reference Answer Set - Windows Internet Explorer

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

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Add KMP Alert Research Topic "apoptosis inducing drugs" > references (88)

References

88 References 0 Selected

Select All Deselect All Sort by: Accession Number

Display: 1 2 3 4 5

1. NR4A orphan receptors and cancer Full Text

By Safe, Stephen; Kim, Kyoungyun; Li, Xi; Lee, Syng-Ook

From Nuclear Receptor Signaling (2011), 9, No pp. given. | Language: English, Database: CAPLUS

NR4A orphan receptors are members of the nuclear receptor (NR) superfamily of transcription factors and include NR4A1 (Nur77, TR3, NGFI-B), NR4A2 (Nurr1), and NR4A3 (Nor1). NR4A receptors are immediate-early genes induced by multiple stimuli and modulate gene expression by interacting as monomers or homodimers to NGF1-B response elements (NBREs) and Nur-responsive elements (NuREs), resp. NR4A1 and NR4A2 (but not NR4A3) also form heterodimers with the retinoic acid X receptor (RXR) that bind a DR5 motif, and there is evidence that NR4A1 can activate or deactivate gene expression in cancer cell...

2. Preferential involvement of both ROS and ceramide in fenretinide-induced apoptosis of HL60 rather than NB4 and U937 cells Full Text

By Jiang, Lulu; Pan, Xiaoling; Chen, Ying; Wang, Kankan; Du, Yanhui; Zhang, Ji

From Biochemical and Biophysical Research Communications (2011), 405(2), 314-318. | Language: English, Database: CAPLUS

Leukemic cells responding to apoptosis-inducing drugs can be varied in terms of the mechanisms of action. Fenretinide, a synthetic retinoid, is worth of study as a promising candidate for apoptosis-based therapy of leukemia. Yet, it remains unclear whether this drug exerts the similar mechanisms on different leukemic cells. Here, we report a comparative anal. of fenretinide-induced apoptosis in three acute myeloid leukemic (AML) cell lines including HL60, NB4 and U937. Through a series of antagonist assays, we revealed similarities and differences of mechanisms involved in these three cell...

3. Celecoxib increases retinoid sensitivity in human colon cancer cell lines Full Text

By Liu, Jian-Pei; Wei, Hong-Bo; Zheng, Zong-Heng; Guo, Wei-Feng; Fang, Jia-Feng

From Cellular & Molecular Biology Letters (2010), 15(3), 440-450. | Language: English, Database: CAPLUS

Retinoid resistance has limited the clinical application of retinoid as differentiation-inducing and apoptotic...

Analysis Refine

Analyze by:

Author Name

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

Antonarakis Emmanuel S 3

Carducci Michael A 3

Fang Jia Feng 3

Guo Wei Ping 3

Liu Jian Pei 3

Wei Hong Bo 3

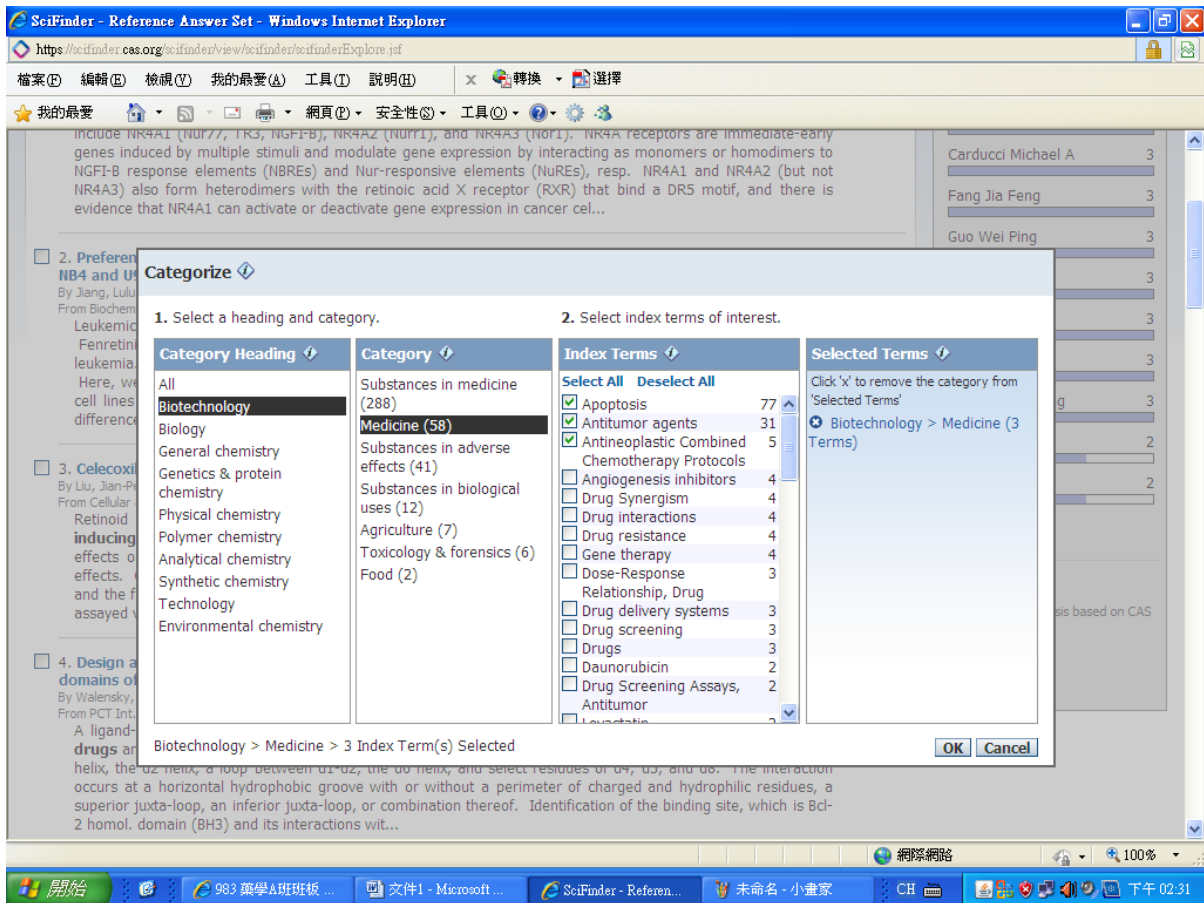
Xu Xiao Chun 3

Zheng Zong Heng 3

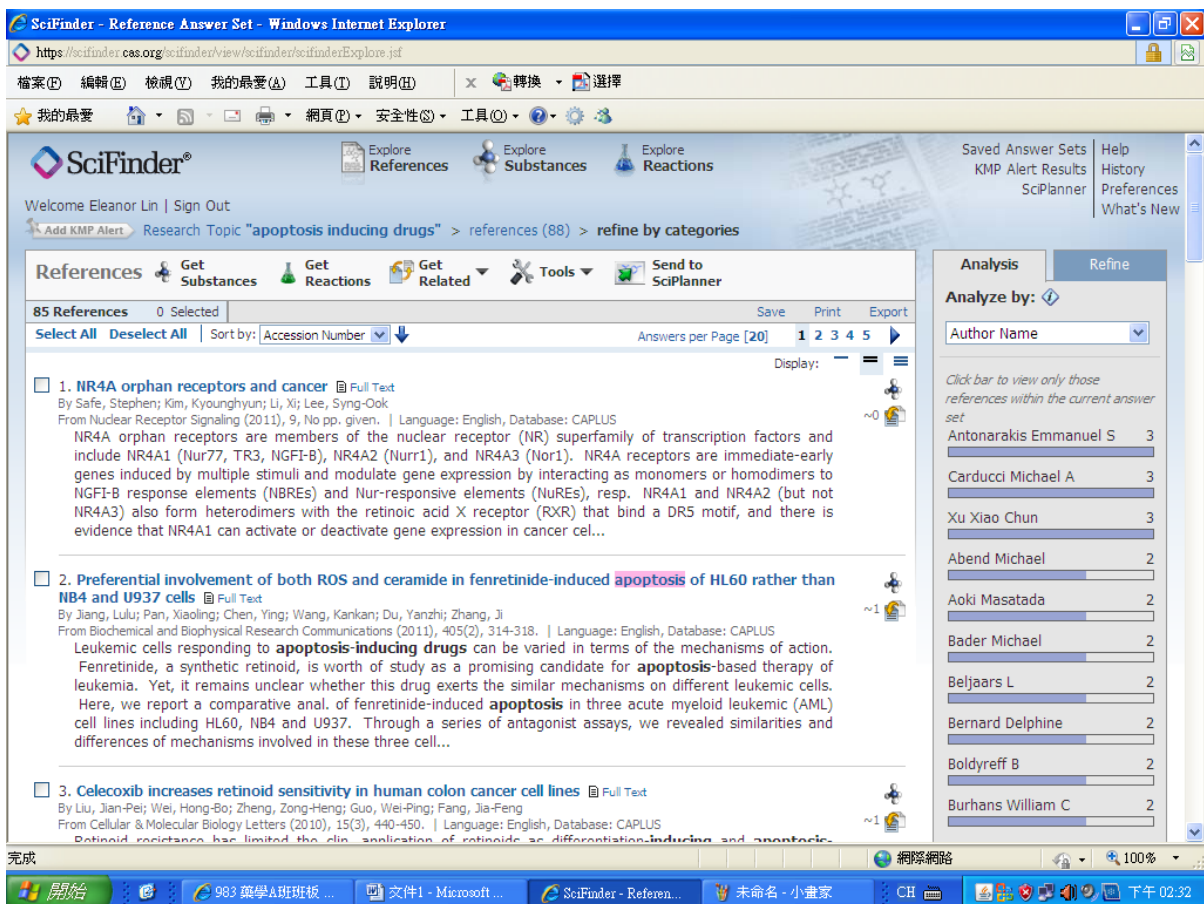
Abend Michael 2

Aoki Masatada 2

3. 由於檢索結果<15000，可以再用畫面右下的 categorize 功能做進一步的篩選



4. 用 categorize 篩選過後，出現的結果數量少了一點



5. 其中找到了 gliotoxin 這個物質，具有誘導細胞凋亡的作用

The screenshot displays the SciFinder web interface in a Windows Internet Explorer browser. The address bar shows the URL: <https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf>. The page title is "SciFinder - Cellular target...". The main content area shows a reference detail for a study titled "11. Cellular targeting of the apoptosis-inducing compound gliotoxin to fibrotic rat livers" by Hagens, W. I.; Beljaars, L.; Mann, D. A.; Wright, M. C.; Julien, B.; Lotersztajn, S.; Reker-Smit, C.; Poelstra, K. The abstract describes the study's findings on gliotoxin (GTX) inducing apoptosis in hepatic cells and its potential as a therapeutic agent for liver fibrosis. The right sidebar contains "Quick Links" (0 Tags, 0 Comments), "Source" information (Journal of Pharmacology and Experimental Therapeutics, Volume 324, Issue 3, Pages 902-910, 2008), "Company/Organization" (Department of Pharmacokinetics and Drug Delivery, University of Groningen), and "Accession Number" (2008:282005, CAN 148:419316, CAPLUS). The bottom of the page shows a Windows taskbar with various open applications and the system clock.

6. 文章摘要下面有已經過整理的重點，右邊的 substance 欄整理出了 gliotoxin 的簡單介紹

This screenshot shows the same SciFinder reference detail page, but with the "Indexing" and "Substances" sections expanded. The "Indexing" section on the left lists concepts such as "Toxicology (Section 4-5)", "Section cross-reference(s): 1", "Apoptosis", "Human", "cellular targeting of the apoptosis-inducing compd. gliotoxin to fibrotic rat livers", "Liver disease", "fibrosis; cellular targeting of the apoptosis-inducing compd. gliotoxin to fibrotic rat livers", "Pericyte", "hepatic stellate cell; cellular targeting of the apoptosis-inducing compd. gliotoxin to fibrotic rat livers", "Fibrosis", "hepatic; cellular targeting of the apoptosis-inducing compd. gliotoxin to fibrotic rat livers", "Fibroblast", and "myofibroblast; cellular targeting of the apoptosis-inducing". The "Substances" section on the right lists "67-99-2 Gliotoxin" and describes its cellular targeting and adverse effects. The right sidebar remains the same, showing "Accession Number", "Publisher" (American Society for Pharmacology and Experimental Therapeutics), and "Language" (English). The Windows taskbar at the bottom is also visible.

7.可以直接連結過去 gliotoxin 的頁面，了解其基本物化性質

Substance Detail

CAS Registry Number: 67-99-2
C13H14N2O4S2
 10H-3,10a-Epidithiopyrazino[1,2-a]indole-1,4-dione, 2,3,5a,6-tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-, (3R,5aS,6S,10aR)-
 10H-3,10a-Epidithiopyrazino[1,2-a]indole-1,4-dione, 2,3,5a,6-tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-, [3R-(3a,5aβ,6β,10aα)]- (8CI); Gliotoxin (6CI,7CI); Aspergillin; S. N. 12870

Deleted CAS Registry Numbers: 11000-18-3, 11000-32-1

~672 References

Document Types: Conference, Dissertation, Journal, Patent

CAS Role	Patents	Nonpatents	Nonspecific Derivatives from Patents	Nonspecific Derivatives from Nonpatents
Analytical Study	✓	✓		✓
Biological Study	✓	✓	✓	✓
Formation, Nonpreparative		✓		
Occurrence		✓		

8.或者也可以回首頁的 explore substance 輸入 gliotoxin，也會出現相同結果

Substances

1 Substance 0 Selected

Select All Deselect All Sort by: CAS Registry Number

1. Substance Detail 67-99-2

~672

Absolute stereochemistry.

C13H14N2O4S2
 10H-3,10a-Epidithiopyrazino[1,2-a]indole-1,4-dione, 2,3,5a,6-tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-, (3R,5aS,6S,10aR)-

Spectra
Experimental Properties

Analysis

Analyze by: Substance Role

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

Analytical Study	1
Biological Study	1
Formation, Nonpreparative	1
Occurrence	1
Preparation	1
Process	1
Properties	1
Reactant or Reagent	1
Uses	1

Show More

9. 想了解 gliotoxin 可以如何合成，可以用 get reaction 選項，選擇 gliotoxin 作為產物

SciFinder - CAS Registry Number 67-99-2 - Windows Internet Explorer

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

SciFinder®

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Add KMP Alert Research Topic "apoptosis inducing drugs" > references (88) > Cellular targeting of the apop... > 67-99-2

Substance Detail

Get References Get Reactions Get Commercial Sources Get Regulatory Info Send to SciPlanner

CAS Registry Number: 67-99-2

C₁₃H₁₄N₂O₄S₂

10H-3,10a-Epidithiopyrazino[1,2-a]indole-1,4-dihydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-3R,5aS,6S,10aR)-

10H-3,10a-Epidithiopyrazino[1,2-a]indole-1,4-dihydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-3R,5aS,6S,10aR)- (8CI); Gliotoxin (6CI,7CI); As 12870

Deleted CAS Registry Numbers: 11000-18-3

~672 References

Document Types: Conference, Dissertation, Journal, Patent

CAS Role	Patents	Nonpatents	Nonspecific Derivatives from Patents	Nonspecific Derivatives from Nonpatents
Analytical Study	✓	✓		✓
Biological Study	✓	✓	✓	✓
Formation, Nonpreparative Occurrence		✓		

Get Reactions

Limit results by reaction role:

- ☒ Product
- ☐ Reactant
- ☐ Reagent
- ☐ Reactant or reagent
- ☐ Catalyst
- ☐ Solvent
- ☐ Any role

Get Cancel

10. 不過搜尋合成反應出來的結果是 0 (因為 gliotoxin 是一種由黴菌產生的天然物質)

SciFinder - Reaction Answer Set - Windows Internet Explorer

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

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Add KMP Alert Research Topic "apoptosis inducing drugs" > references (88) > Cellular targeting of the apop... > 67-99-2

2 > get reactions (0)

Reactions Find Additional Reactions

0 Reactions 0 Selected

No reactions for substances Return Find Additional Reactions

Analysis Refine

Analyze by: No reactions available

➤ 心得：SciFinder 的最方便之處就在於收錄的期刊篇章、研究等，都已經經過專業團隊整理出摘要與重點，可以從這些整理過的欄位，直接連結過去了解文章中出現的藥物、生物反應、專有名詞等等，花少許時間就可以大量閱讀許多文章的重點，省時又省力。雖然這次報告沒用到，但 explore reaction 功能我覺得是最特別的，可以了解一個任意化學物質的合成方法，或是在其他反應中可以扮演什麼角色(催化劑、溶劑等)，除了提供產率做為參考，另外還有提供原料供應商資料，應該對實驗室作業有很大的實際幫助。

Innovation 專利檢索平台

自訂關鍵字：shower (想看看有什麼新型的蓮蓬頭設備)

Thomson Innovation - Windows Internet Explorer

Patent Result Set

Quick Search: Patents printer Go ?

Patent Result Set 71,630 records found out of 18,390,421 searched (Display Limit 30,000)

Return to Search | Display & Sort Options

-1 records selected

Save | Alert | Mark List | Download | Charts | Print

Publication Number	Publication Date
USD651281S1	2011-12-27
Title: Head shower	
US8086354B2	2011-12-27
Title: Optimizing consumption of resources	
US8086318B2	2011-12-27
Title: Portable assemblies, systems, and methods for providing functional or therapeutic neurostimulation	
US8086028B2	2011-12-27
Title: Text-to-scene conversion	
US8085161B2	2011-12-27
Title: Safety warning system and method	
US8084461B2	2011-12-27
Title: Albuterol and ipratropium inhalation solution, system, kit and method for relieving symptoms of chronic obstructive pulmonary disease	

Displaying 1 - 10 of 30000 Page 1 of 3000

Go to Page: Go Display: 10 Records per page

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搜尋到的其中一筆結果

Thomson Innovation - Windows Internet Explorer

Patent Record View - USD651281S1

Record View: Patent USD651281S1

Add to Work File | Mark Record | Watch Record | Download | Translate | Citation Map | Highlight | Print

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

Citations

Citation ?

Expand Citing Patents (0)

Expand Cited Patents (7)

Expand Cited Non-patents (0)

Other

Attorney / Agent ?

Muncy Geissler Olds & Lowe PLLC

Examiner ?

Webster, Robin V

Parent Case ?

Expand Parent Case

Image 1/5

Zoom (+)

1 2 3 4

Record 1 of 30000

Go to Page: Go

心得：雖然專利平台可以用學校 ip 認證直接登入很方便，但是看著廠商給的 SOP，裡面的進階功能沒有申請帳號都不能使用.....也不能做分析地圖什麼的。不過就單純想了解最新的專利資訊而言，基本資料詳細，也有精美的設計圖可以瀏覽，還是很方便的平台。