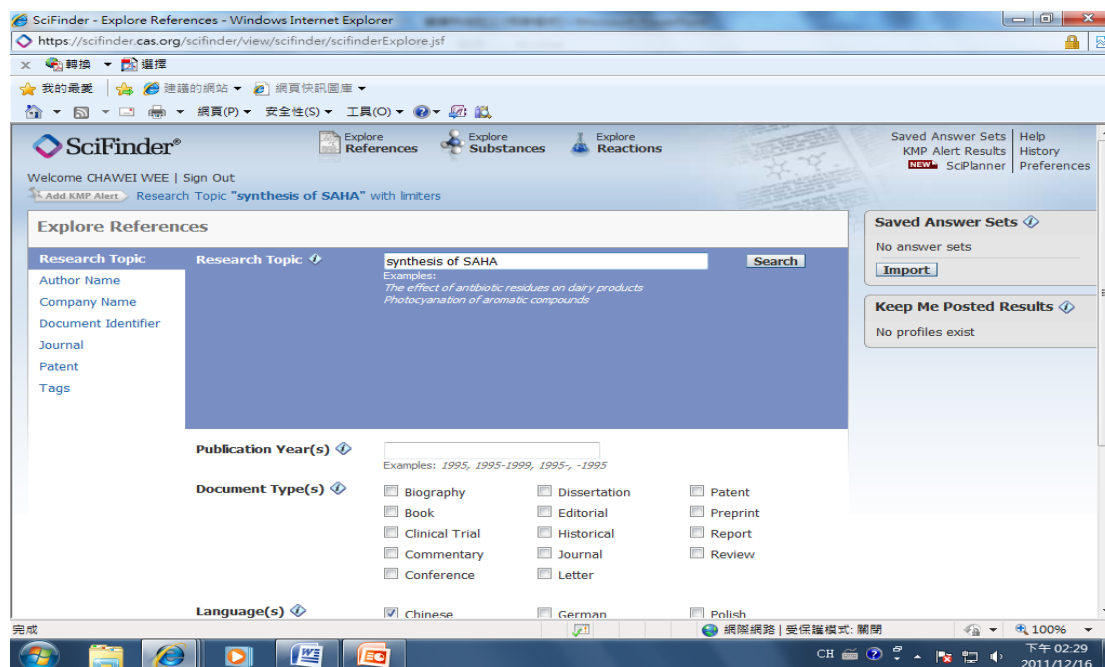


Scifinder與Thomson Innovation使用心得報告

B303098224 黃嘉薇 藥三 B

● Scifinder

1. 先設定題目，eg 如何製造 SAHA



2. 選擇相關文獻範圍



3. 將選好的文獻 export 到 PDF 檔上(附上 PDF 資料)
4. 如果想要知道反應物的結構就按 get substances
5. 選取其中一個，點進去就可以看到下面的頁面。

SciFinder - CAS Registry Number 149647-78-9 - Windows Internet Explorer

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

Welcome CHAWEE WEE | Sign Out

Research Topic "synthesis of SAHA" with limiters > references (13) > Synthesis of histone deacetylase... > get substances (5) > 149647-78-9 > get reactions (31) > reaction 22 (of 31)

Substance Detail

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

Link | Save | Print | Export

Return | Previous | Next

2.

CAS Registry Number: 149647-78-9

C₁₄ H₂₀ N₂ O₃

Octanediamide, N1-hydroxy-N8-phenyl-
Octanediamide, N-hydroxy-N'-phenyl- (9CI); N-Hydroxy-N'-phenyloctanediamide; SAHA; Suberoyl anilide bishydroxamide; Suberoylanilide hydroxamic acid; Vorinostat; Zolinza

Source of Registration: CA

~1,409 References

Document Types: Conference, Dissertation, Journal, Patent

CAS Role	Patents	Nonpatents	Nonspecific Derivatives from Patents	Nonspecific Derivatives from Nonpatents
Analytical Study	✓	✓	✓	✓
Biological Study	✓	✓	✓	✓
Chemical Synthesis	✓	✓	✓	✓

網際網路 | 受保護模式: 關閉

下午 02:35
2011/12/16

6. 若想知道反應如何進行，可點選 get reactions. 點選後會得到以下的頁面。資料會顯示各種不同的反應步驟、反應物等。如下圖，選了用兩步驟得到產物。

SciFinder - Reaction Answer Set - Windows Internet Explorer

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

2.1 S:THF, 0.5 h, rt
3.1 R:Et₃N, R₂:ClCO₂Et, S:THF, 10 min, 0°C
3.2 R:KOH, R₂:H₂NOH-HCl, S:MeOH, 0.25 h, 0°C; 0.25 h, rt

patent; 3) in situ generated reagent in stage 2, reaction from p.11 in patent, Reactants: 2, Reagents: 5, Solvents: 3, Steps: 3, Stages: 4, Most stages in any one step: 2

References

Preparation of tetrahydronaphthalene hydroxamates and benzamides as histone deacetylase (HDAC) inhibitors.
By Leblond, Bertrand and Bousaud, Eric
From Eur. Pat. Appl., 1541549, 15 Jun 2005
Full Text

Experimental Procedure

22. View Reaction Detail Link
2 Steps Hover over any structure for more options.

Reaction Scheme: O=C1CCCCCCC1 + O=C(NC1=CC=CC=C1)CCCCCCC1 → O=C(NC1=CC=CC=C1)CCCCCCC1

Overview

Steps/Stages

1.1 S:THF, 0.5 h, rt
2.1 R:Et₃N, R₂:ClCO₂Et, S:THF, 10 min, 0°C
2.2 R:KOH, R₂:H₂NOH-HCl, S:MeOH, 0.25 h, 0°C; 0.25 h, rt

Notes

1) reaction from p.11 in patent, 2) in-situ generated reagent in stage 2, reaction from p.11 in patent, Reactants: 2, Reagents: 4, Solvents: 2, Steps: 2, Stages: 3, Most stages in any one step: 2

References

Preparation of tetrahydronaphthalene hydroxamates and

網際網路 | 受保護模式: 關閉

下午 02:35
2011/12/16

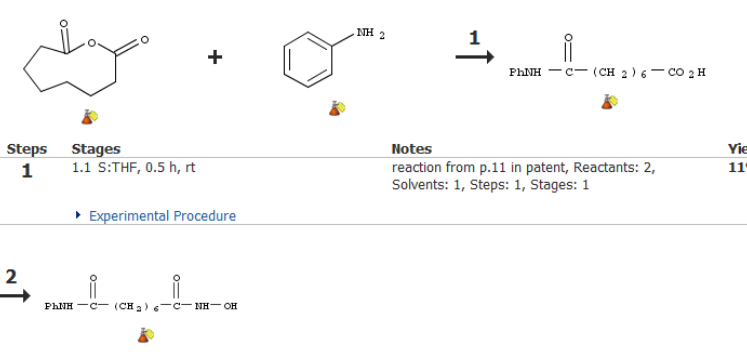
SciFinder - Reaction Detail - Windows Internet Explorer

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

Reaction Detail

Return

22. 2 Steps *Hover over any structure for more options.*



Steps	Stages	Notes	Yield
1	1.1 S:THF, 0.5 h, rt	reaction from p.11 in patent, Reactants: 2, Solvents: 1, Steps: 1, Stages: 1	11%
2	2.1 R:Et3N, R:ClCO2Et, S:THF, 10 min, 0°C 2.2 R:KOH, R:H2NOH-HCl, S:MeOH, 0.25 h, 0°C; 0.25 h, rt	in-situ generated reagent in stage 2, reaction from p.11 in patent, Reactants: 1, Reagents: 4, Solvents: 2, Steps: 1, Stages: 2	56%

Experimental Procedure

Source: Preparation of tetrahydronaphthalene hydroxamates and benzamides as histone deacetylase (HDAC) inhibitors. Leblond, Bertrand; Beausoleil, Eric. Assignee Exonhit Therapeutics S.A. 2005

Patent Information: Jun 15, 2005 EP 1541549 A1

Number of Steps: 2

7. 我們還可以將反應步驟截取下來→如下，點選 send to SciPlanner→點選右上角的 SciPlanner。→再將反應式拖到 sciPlanner 上。

SciFinder - Reaction Detail - Windows Internet Explorer

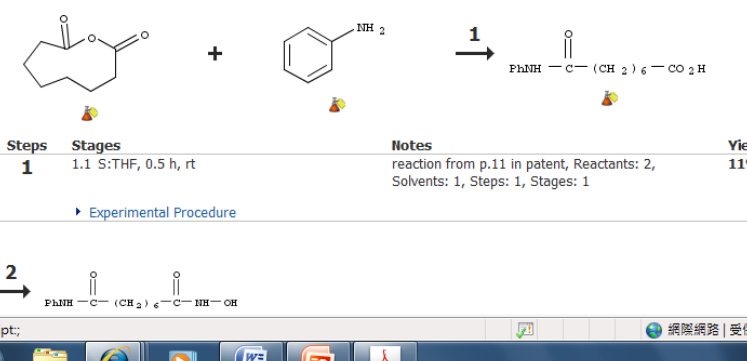
https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf

Reaction Detail

Return

Reaction sent to SciPlanner

22. 2 Steps *Hover over any structure for more options.*



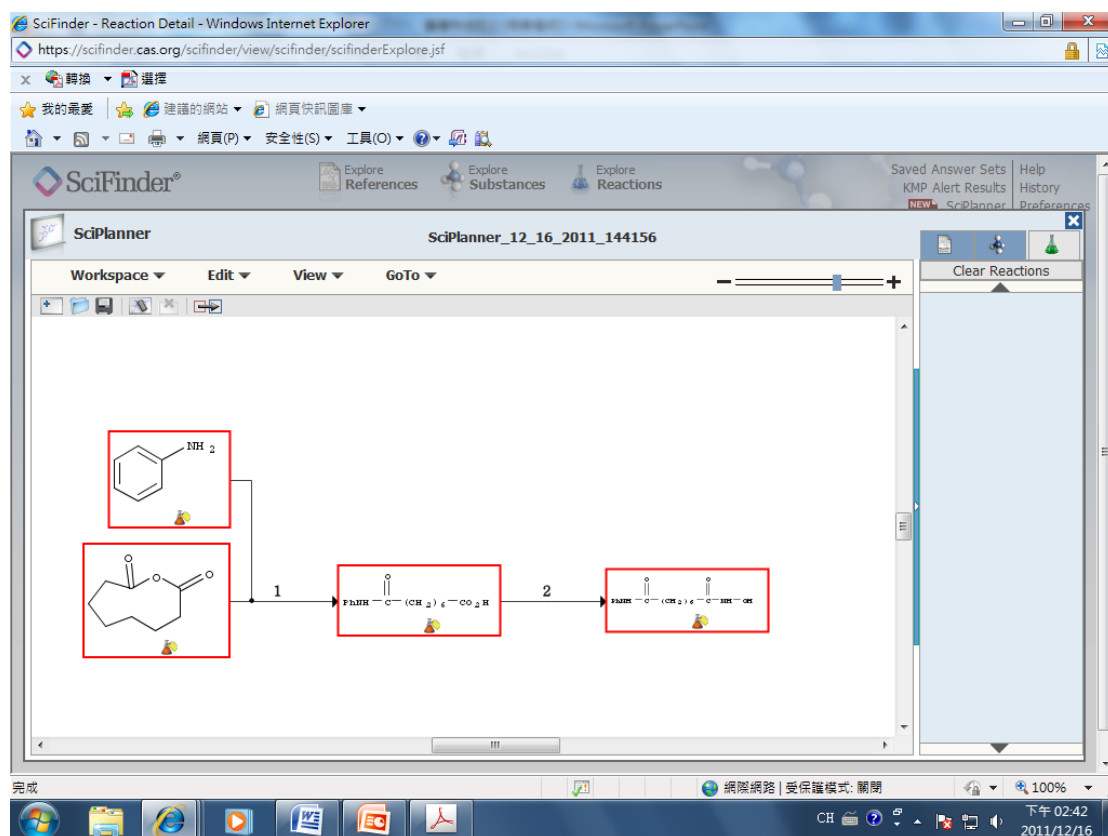
Steps	Stages	Notes	Yield
1	1.1 S:THF, 0.5 h, rt	reaction from p.11 in patent, Reactants: 2, Solvents: 1, Steps: 1, Stages: 1	11%
2	2.1 R:Et3N, R:ClCO2Et, S:THF, 10 min, 0°C 2.2 R:KOH, R:H2NOH-HCl, S:MeOH, 0.25 h, 0°C; 0.25 h, rt	in-situ generated reagent in stage 2, reaction from p.11 in patent, Reactants: 1, Reagents: 4, Solvents: 2, Steps: 1, Stages: 2	56%

Experimental Procedure

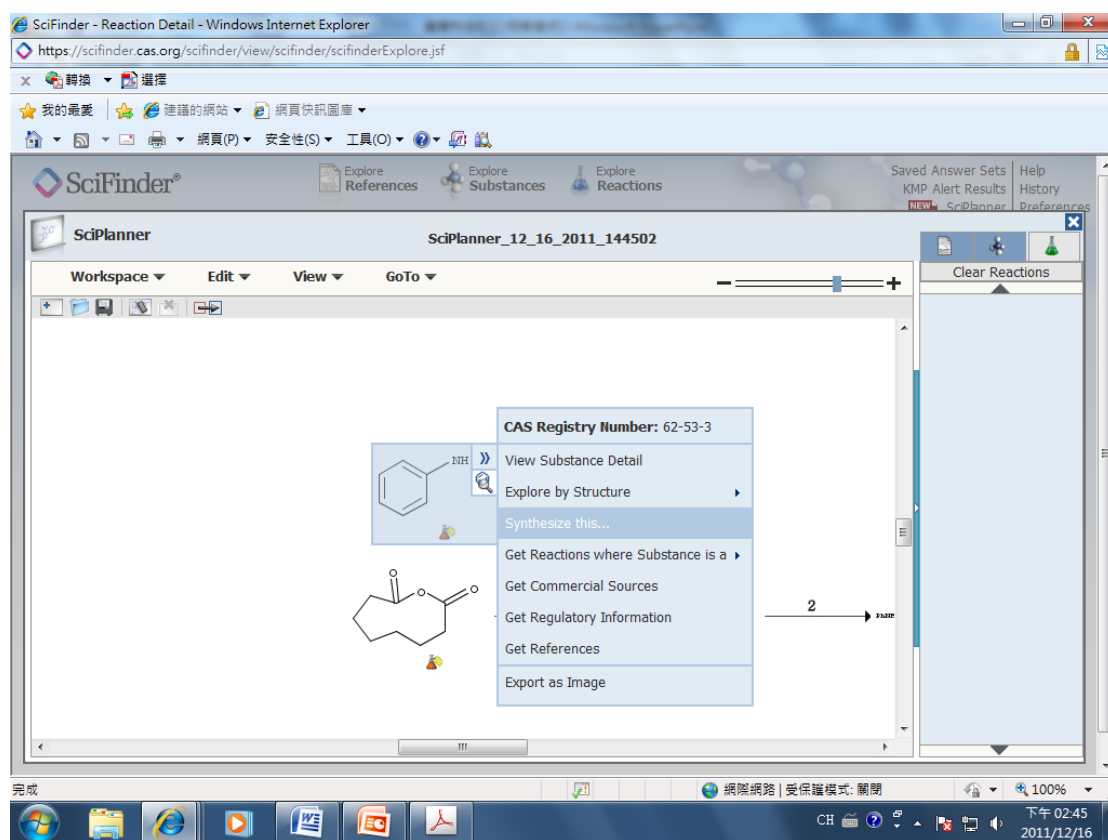
Source: Preparation of tetrahydronaphthalene hydroxamates and benzamides as histone deacetylase (HDAC) inhibitors. Leblond, Bertrand; Beausoleil, Eric. Assignee Exonhit Therapeutics S.A. 2005

Patent Information: Jun 15, 2005 EP 1541549 A1

Number of Steps: 2



8. 如果還想要知道如何製造反應物可以點選 **synthesize this**.



SciFinder - Reaction Answer Set - Windows Internet Explorer
 https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf

我的最愛 | 建議的網站 | 網頁快訊圖庫

網頁(P) | 安全性(S) | 工具(O)

Steps/Stages

1.1 R:NH₃, R:NaOH, C:Cu₂O, S:H₂O, 15 h, rt, pH 11
 1.2 R:NaOH, S:H₂O

Notes

optimization study, optimized on catalyst, amount of ammonia, Reactants: 1, Reagents: 2, Catalysts: 1, Solvents: 1, Steps: 1, Stages: 2, Most stages in any one step: 2

References

[Method for preparing aromatic amines](#)
 By Yang, Haijun et al
 From Faming Zhuanli Shengqing, 102180800, 14 Sep 2011
[Full Text](#)

12007-01-1 41

Al₂O₃ 37

Pd(OAc)₂ 37

NiCl₂ 30

28407-51-4 23

[Show More](#)

☒ 2. View Reaction Detail [Link](#) [Similar Reactions](#)
Single Step Hover over any structure for more options.

100%

[Overview](#)

Steps/Stages

1.1 R:NaOH, R:NaOCl, S:H₂O, S:Dioxane, 15 min, 80°C

Notes

amide slurry and NaOCl soln. pumped separately into the reactor, Hofmann degradation, flow system used, multijet oscillating disk reactor used, batch mode gave lower yield (30%), Reactants: 1, Reagents: 2, Solvents: 2, Steps: 1, Stages: 1, Most stages in any one step: 1

References

SciFinder - Reaction Answer Set - Windows Internet Explorer
 https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf

我的最愛 | 建議的網站 | 網頁快訊圖庫

網頁(P) | 安全性(S) | 工具(O)

SciFinder®

Explore References | Explore Substances | Explore Reactions

Saved Answer Sets | Help | KMP Alert Results | History | **NEW** SciPlanner | Preferences

SciPlanner SciPlanner_12_16_2011_144502

Workspace Edit View GoTo

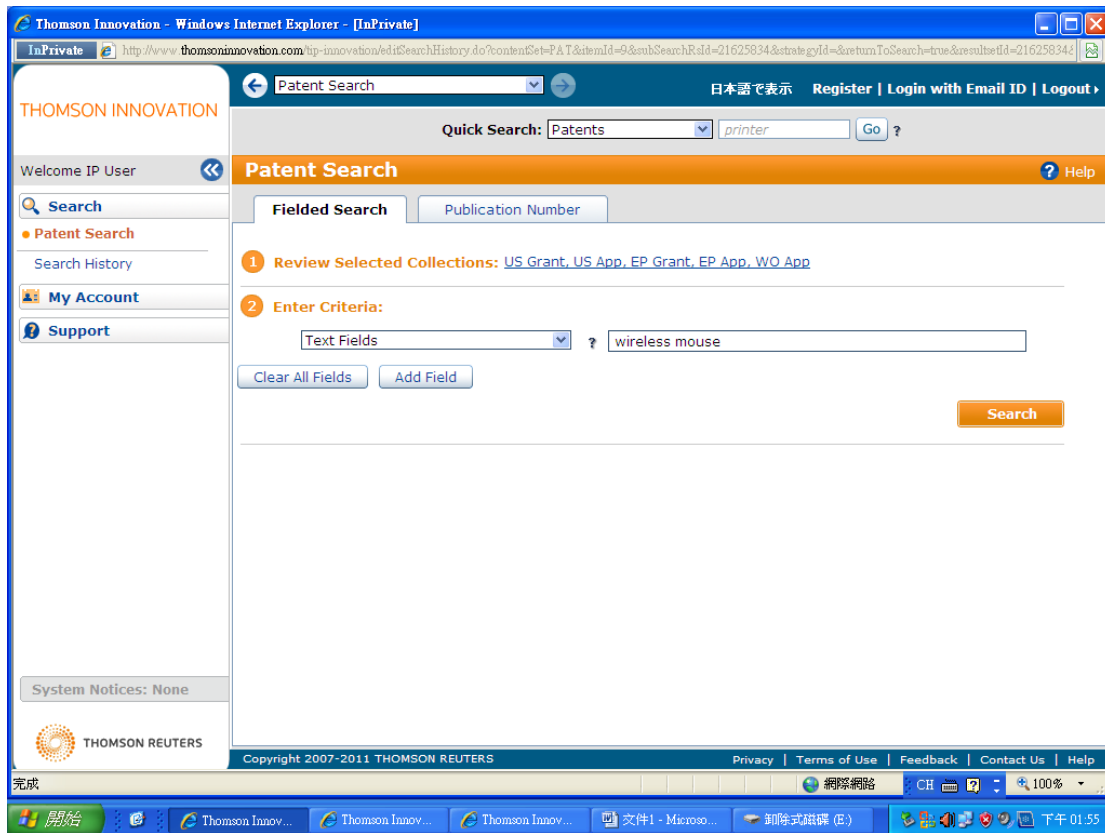
Clear Reactions

9. 還可以利用 explore by structure 找更多有關反應物或中間產物的資料。

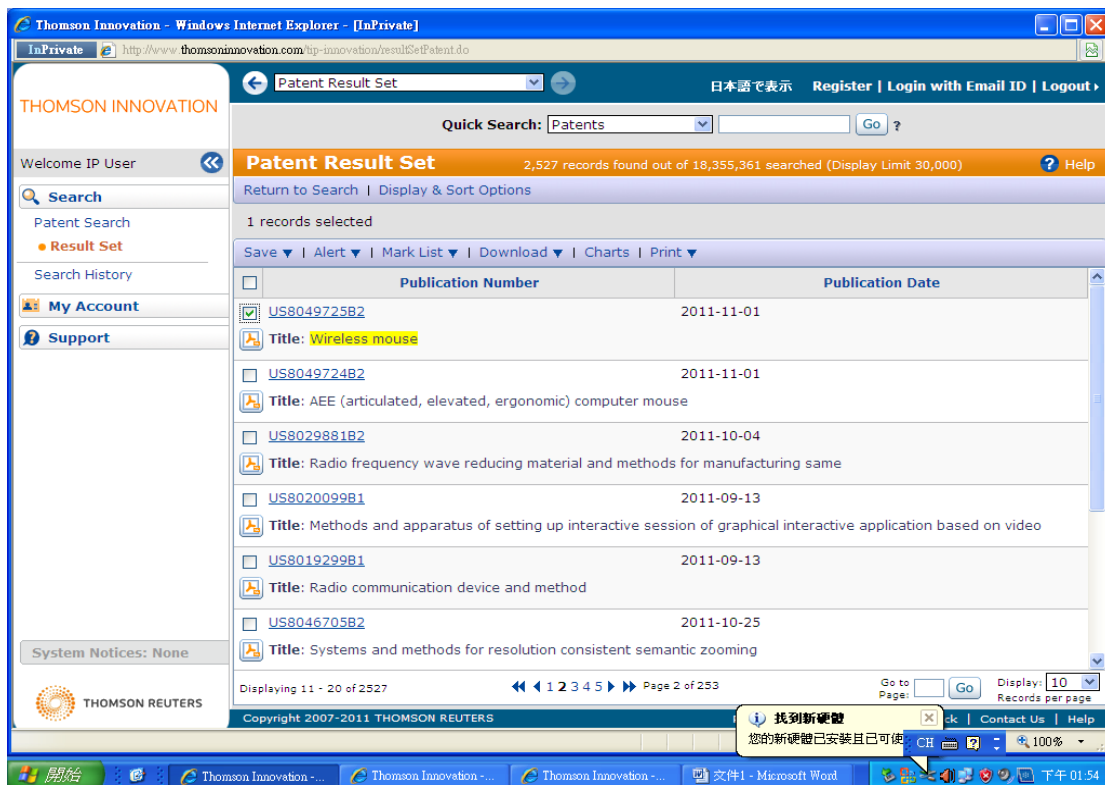
The screenshot displays the SciFinder web application running in a Windows Internet Explorer browser. The address bar shows the URL <https://scifinder.cas.org/scifinder/view/scifinder/scifinderExplore.jsf>. The main workspace, titled "SciPlanner", contains a chemical reaction scheme. The reaction involves benzamide (N#Cc1ccccc1) reacting with a cyclic anhydride (labeled with a '3' above the arrow) to produce benzylamine (N#Cc1ccccc1). A context menu is open over the benzylamine product, displaying the following options: "CAS Registry Number: 149648-52-2", "View Substance Detail", "Explore by Structure", "Synthesize this...", "Get Reactions where Substance is a", "Get Commercial Sources", "Get Regulatory Information", "Get References", and "Export as Image". The browser's taskbar at the bottom shows the system time as 下午 03:47 on 2011/12/16.

● Thomson Innovation

1. 搜索 wireless mouse



2. 點選文章



Thomson Innovation - Windows Internet Explorer - [InPrivate]

http://www.thomsoninnovation.com/hip-innovation/recordView.do?pager.offset=10&recordC

Patent Record View - US8049725B2

Record View: Patent US8049725B2

Go to Full View

Quick View

Wireless mouse for use as cursor control device, has retractable hooking element engaged with recess such that slidable battery cover is closed when retractable hooking element is located in position

Original Title ?

Wireless mouse

Abstract ?

The present invention relates to a **wireless mouse**. The **wireless mouse** includes a base and a slidable battery cover. The slidable battery cover is pivotally coupled to the base. After the slidable battery cover is released from the base, the slidable battery cover is firstly slid outwardly and then rotated upwardly.

First Claim ?

1. A **wireless mouse** comprising:

- a base;
- a slidable battery cover pivotally coupled to said base, wherein said slidable battery cover is firstly slid outwardly and then rotated upwardly after said

Images

Image 1/5

Zoom (+)

Select to view or show in print

Record 11 of 2527

Mark and Next

完成

Thomson Innovation - ...

Thomson Innovation - ...

Thomson Innovation - ...

CH

100%

下午 01:53

- 使用心得

Scifinder 真的是非常好用的東西!首先要謝謝老師讓我們有機會學習利用這個搜索平臺。之前要找資料都是 google search，找到的資料都有點亂而且也不知道是不是完全正確。有時候，要找個完整的反應式或是結構都很難找，但是有了 scifinder 就全部可以找得到，非常的方便!我們還可以利用找到的反應式找到反應物怎麼製作或是完整的結構等等。搜索起來只要掌握了訣竅就不麻煩，最重要的是比起 google search 提供一個更精確和更專業的資料!

Thomson Innovation 的專利平臺搜索讓我們有機會接觸到關於智慧財產權的申請，同時也讓我們了解更多有關專利的申請。這樣一來以後我們就知道怎麼利用這些資料來看看我們所要申請的專利是否可以申請，或是一些申請的辦法條件等等。上完課后，我覺得專利的申請有一點刁專，因為要懂得利用文字的遊戲來避免別人走版權的漏洞。雖然現在這還是不能避免的情況，但是或多或少可以保護我們的智慧財產。專利的申請是必要的，但是也是一門深奧的學問。