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Training

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1. 基本介紹
2. 進階功能介紹
3. 實際例子 Demo
4. 新功能介紹

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基本介紹

涵蓋範圍與領域

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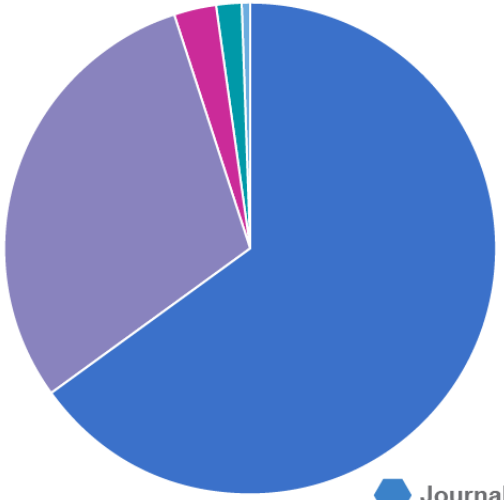
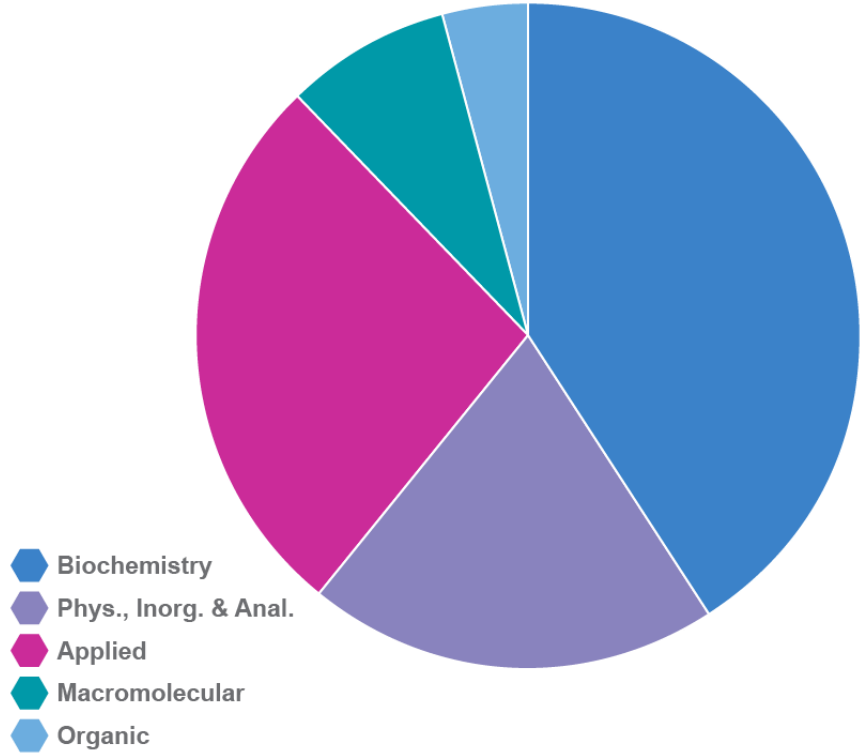
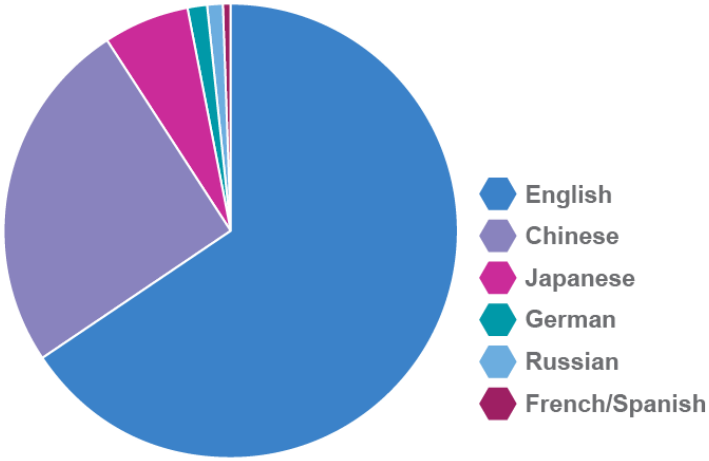
Disclosure types not published in journals **35%**



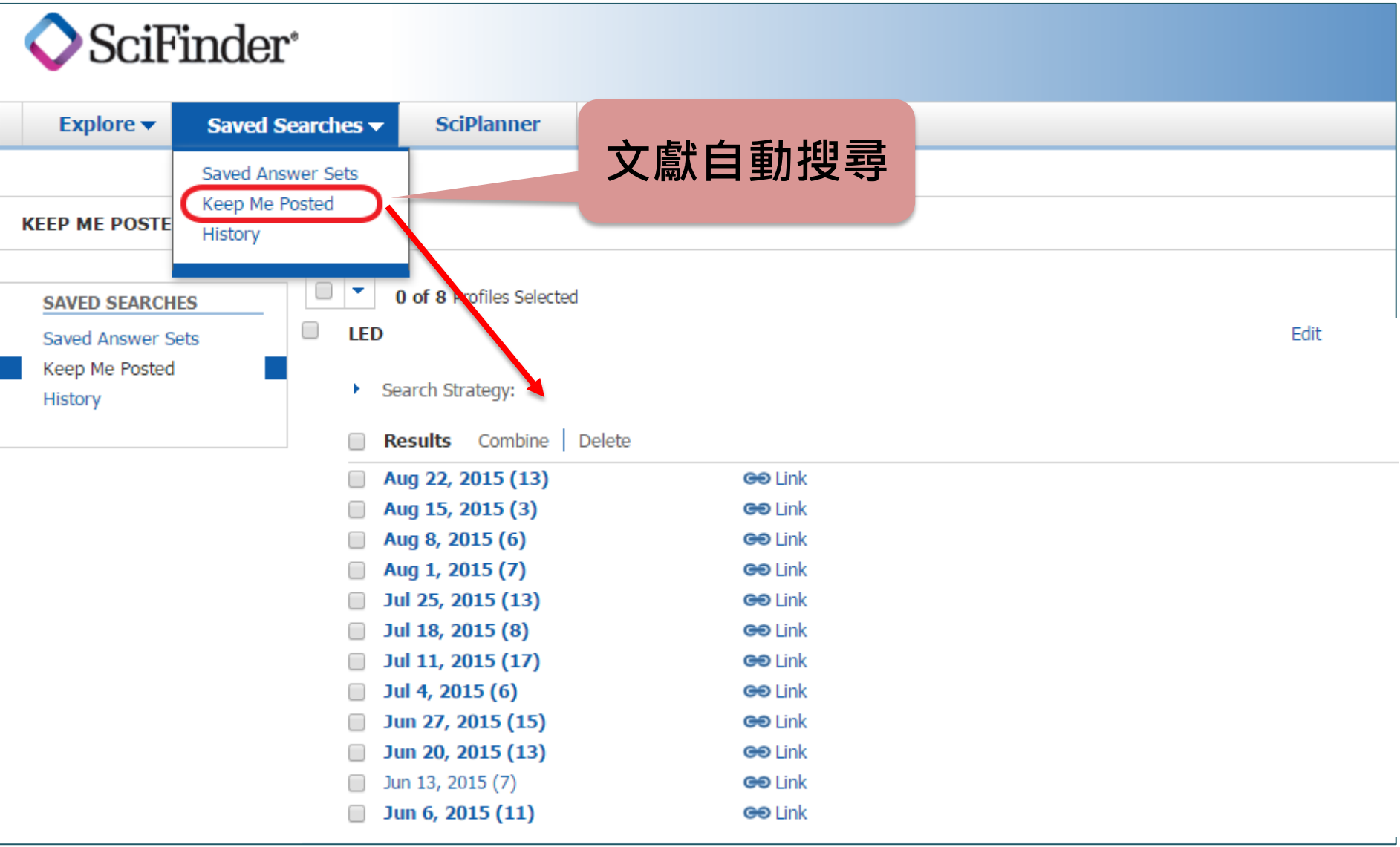
Discipline areas not in traditional chemistry **61%**



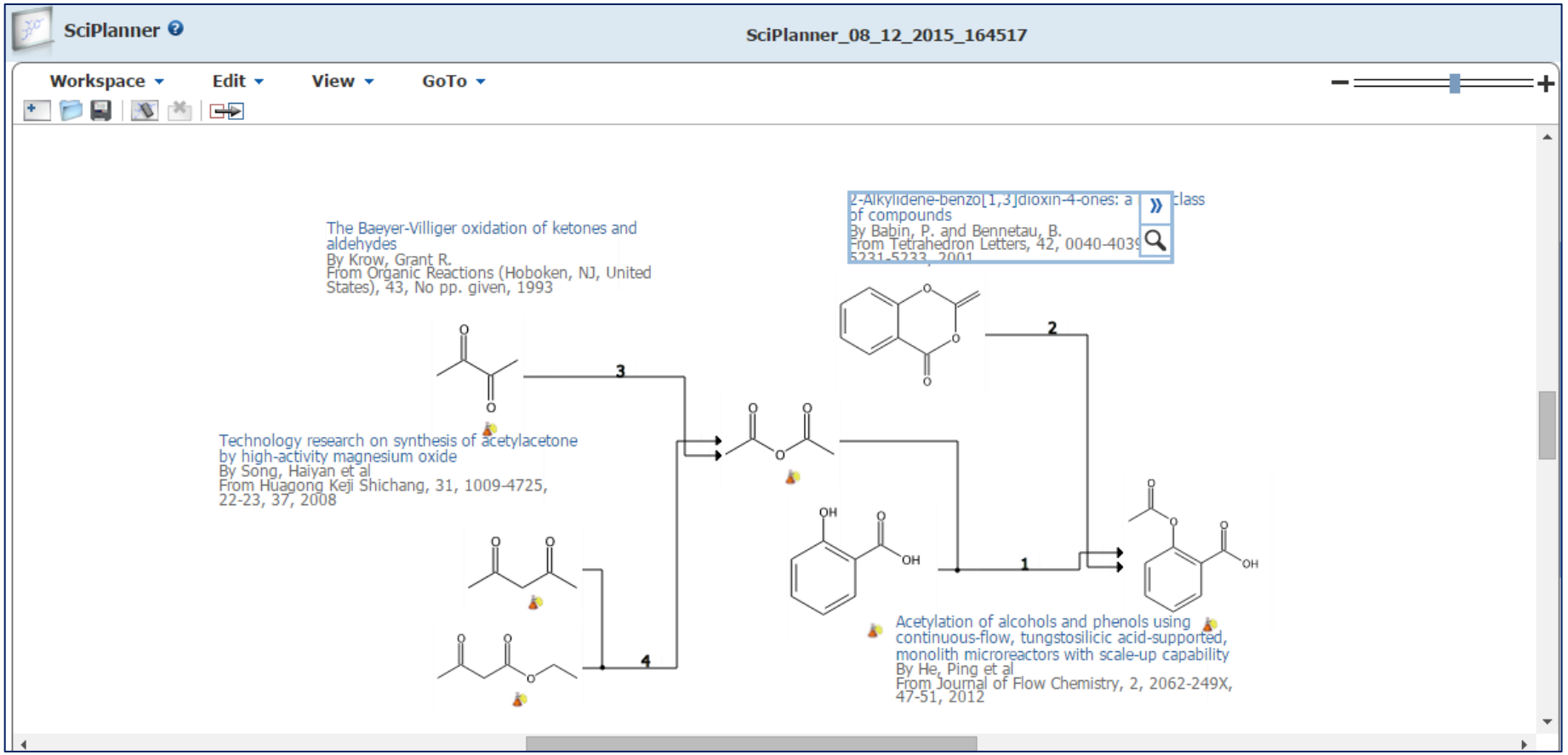
Original publication languages not in English **35%**



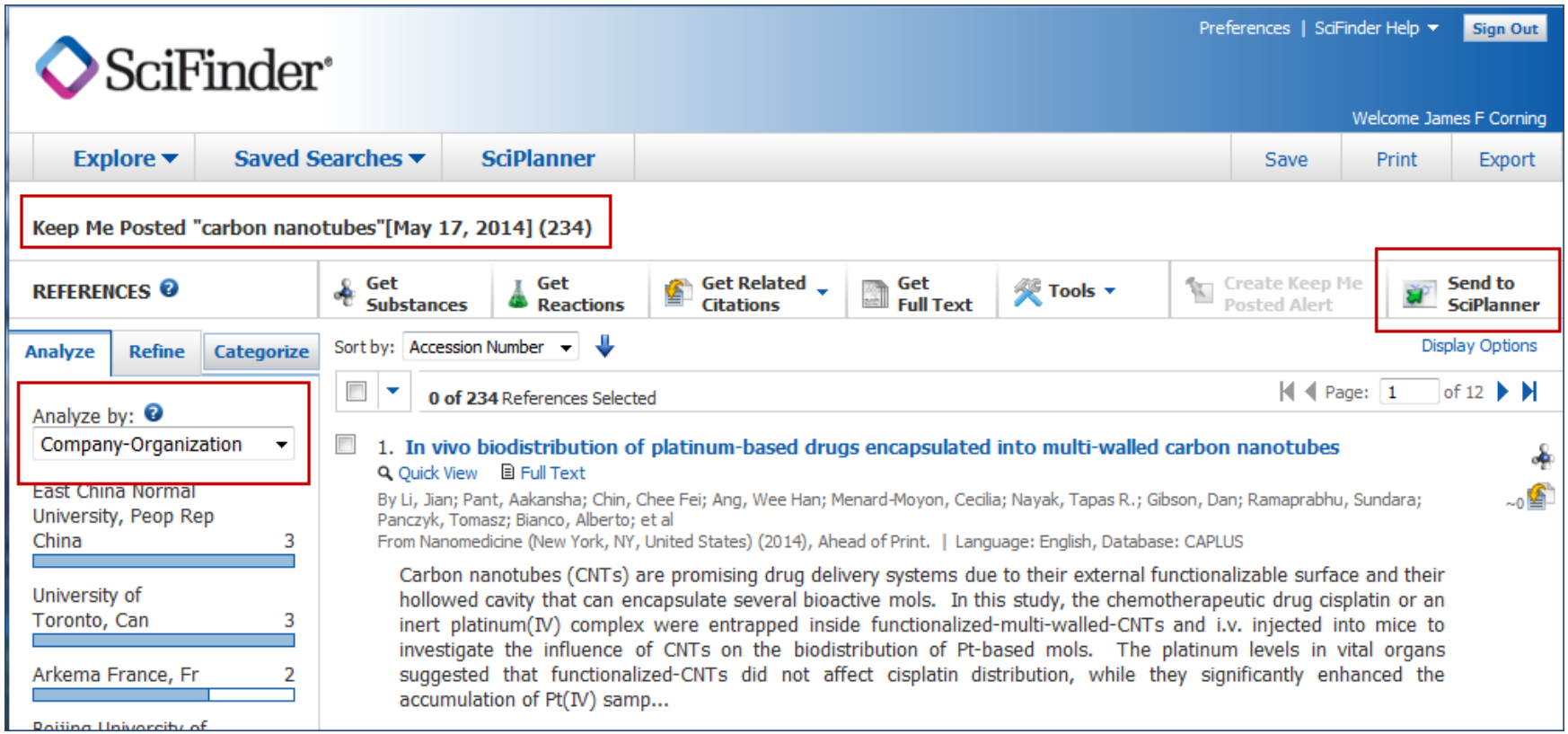
基本功能介紹



自行建立合成途徑



文獻查詢結果頁面呈現



物質查詢結果頁面呈現

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SUBSTANCE DETAIL | Get References | Get Reactions

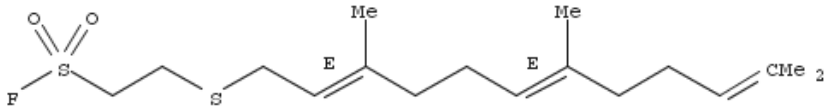
Return

CAS Registry Number 1190196-77-0

~3

$C_{17}H_{29}FO_2S_2$

Ethanesulfonyl fluoride, 2-[[(2*E*,6*E*)-3,7,11-trimethyl-2,6,10-dodecatrien-1-yl]thio]-



Double bond geometry as shown.

Molecular Weight
348.54

Boiling Point (Predicted)
Value: 458.4±45.0 °C | Condition: Press: 760 Torr

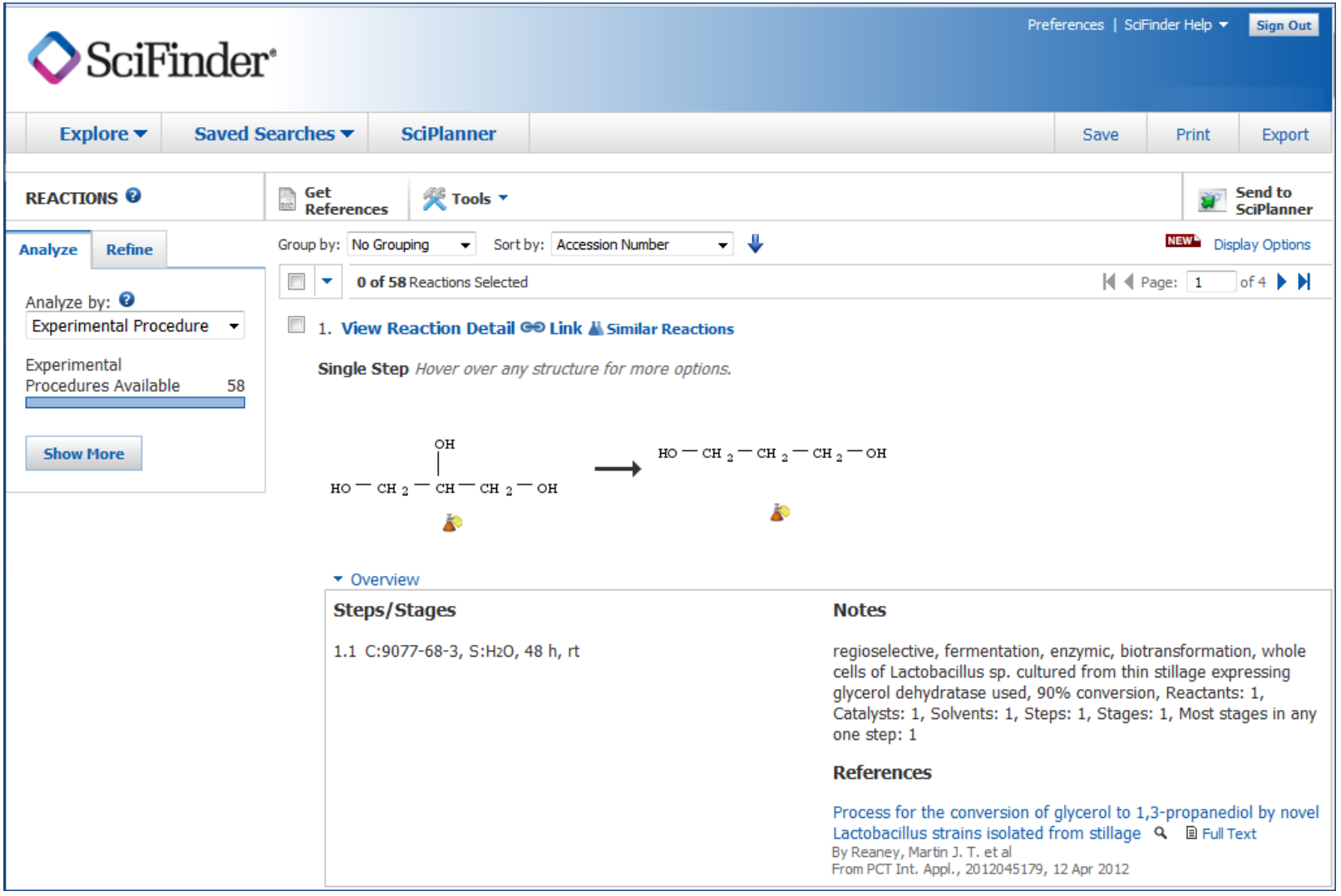
Density (Predicted)
Value: 1.056±0.06 g/cm3 | Condition: Temp: 20 °C Press: 760 Torr

Expand All | Collapse All

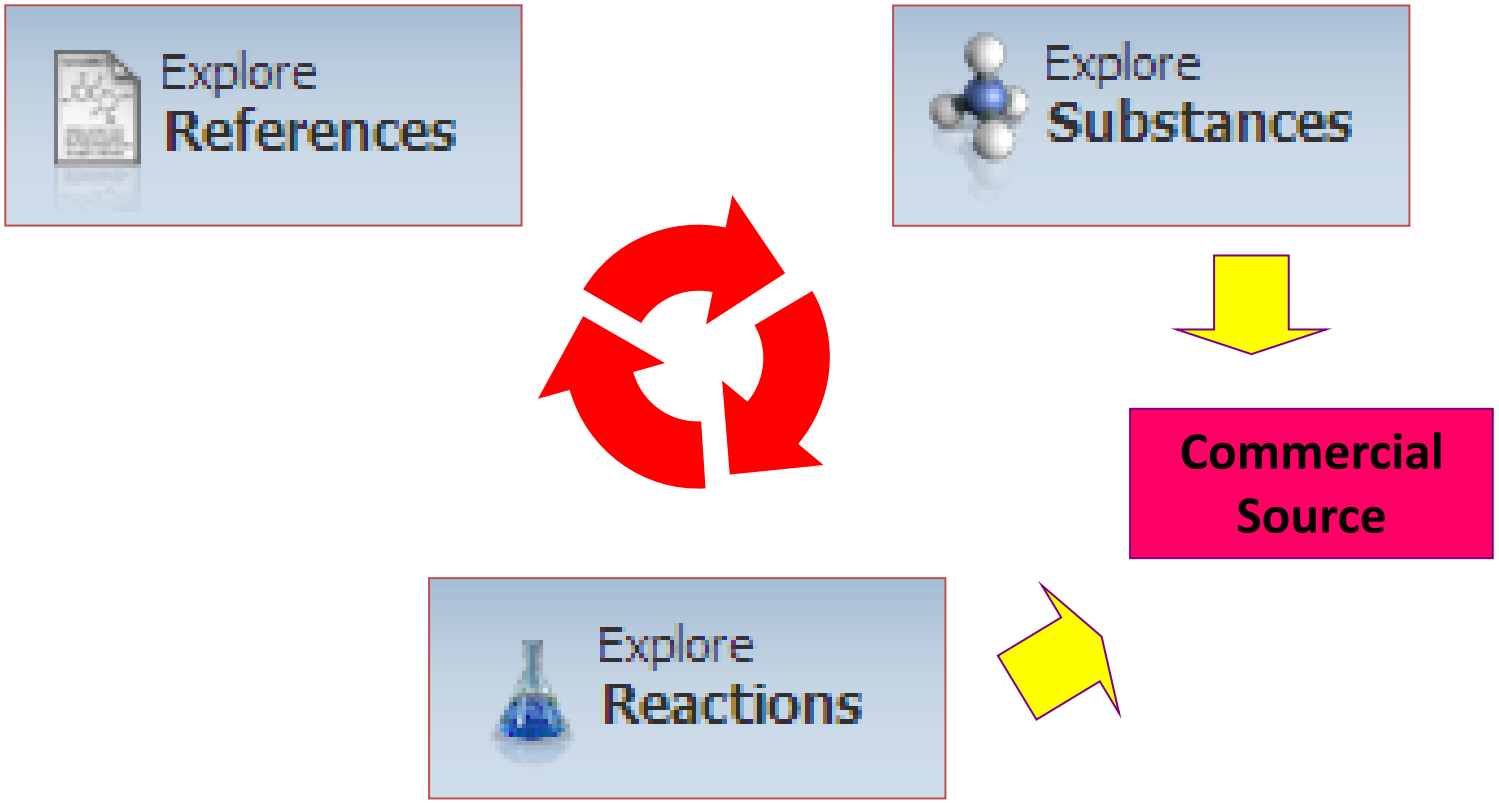
TARGET INDICATORS

Indicators	References
Enzymes (all) > > > D-Serine dehydratase	1
Enzymes (all) > > > Prenylcysteine carboxymethyl esterase	3
Enzymes (all) > > > > Serine protease	1

反應查詢結果頁面呈現



不同資料群可以互相轉換



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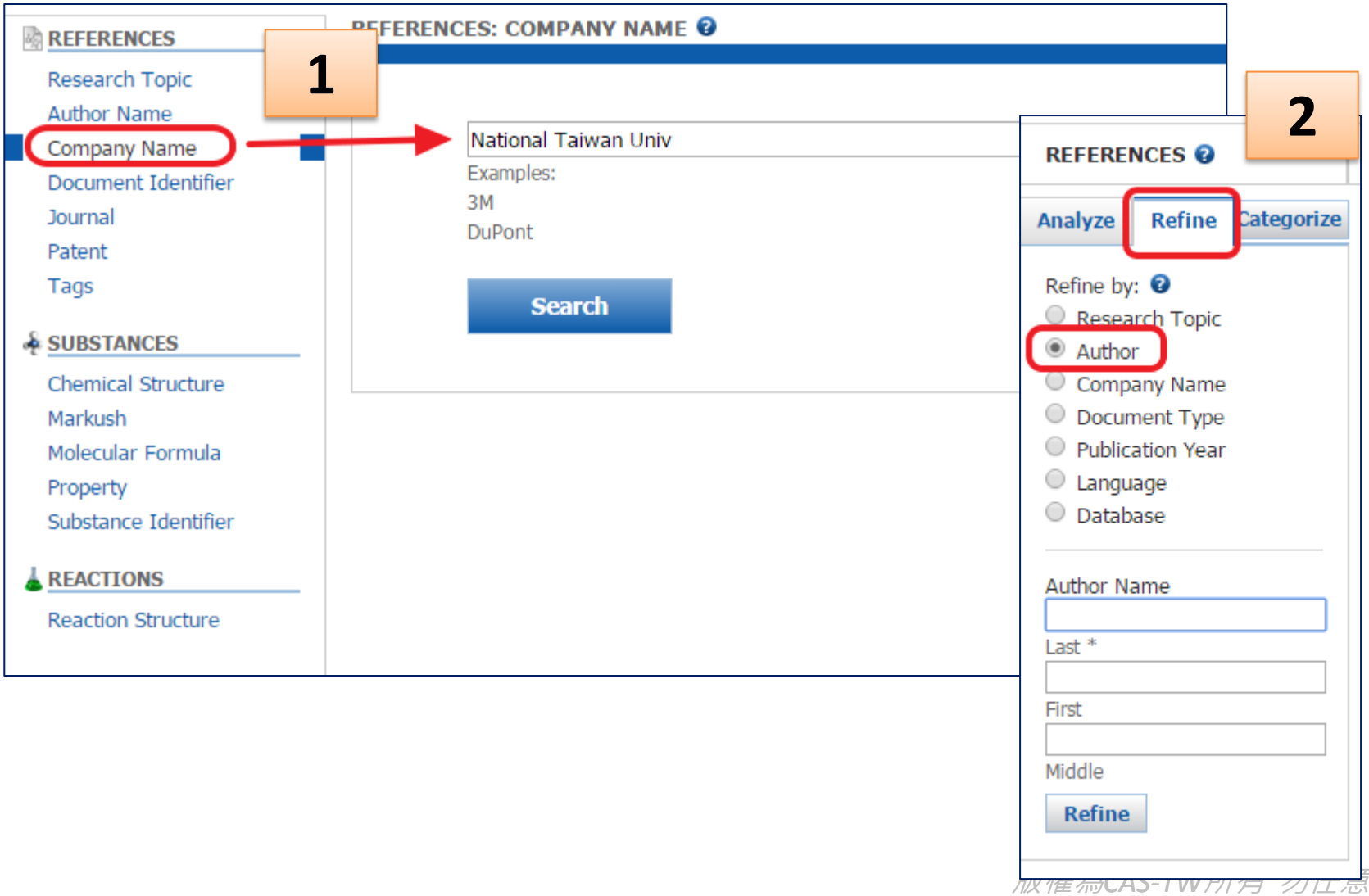
進階功能介紹

進階功能運用 – Citing References



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3

Analyze | Refine | Categorize

Sort by: Citing References ▼

Display Options

Analyze by: Author Name ▼

Yang Jye Shane	59
Huang Guan Jhih	13
Sun Wei Ting	12
Huang Shou Ling	11
Lin Ying Chih	11
Huang Hsin Hau	9
Peng Shie Ming	9
Yan Jyu Lun	9
Chao Ito	8
Lin Cheng Kai	8

Show More

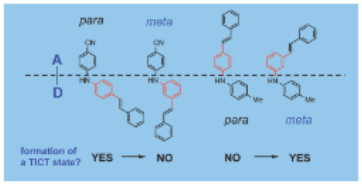
0 of 59 References Selected

Page: 1 of 3

1. **Central-ring functionalization and application of the rigid, aromatic, and H-shaped pentiptycene scaffold**
Quick View | Other Sources
By **Yang, Jye-Shane**; Yan, Jyu-Lun
From Chemical Communications (Cambridge, United Kingdom) (2008), (13), 1501-1512. | Language: English, Database: CAPLUS
~77

A review. The progress of pentiptycene chem. is reviewed. Pentiptycene belongs to the iptycene family and possesses a rigid, arom., and H-shaped scaffold. An important feature for pentiptycene vs. triptycene is the presence of a sterically shielded central benzene ring. Such a feature led to the use of pentiptycene as a conformational regulator and in the formation of functional mols., including fluorescent chemosensors, mol. machines, low dielec. const. materials, and porous solids. The synthesis of these materials relies on central-ring prefunctionalized pentiptycene building blocks. A useful approach toward the prepn. of these building blocks is the derivatization of pentiptycene quinone.

2. **Meta Conjugation Effect on the Torsional Motion of Aminostilbenes in the Photoinduced Intramolecular Charge-Transfer State**
Quick View | Other Sources
By **Yang, Jye-Shane**; Liau, Kang-Ling; Li, Chun-Yi; Chen, Mon-Yao
From Journal of the American Chemical Society (2007), 129(43), 13183-13192. | Language: English, Database: CAPLUS
~56

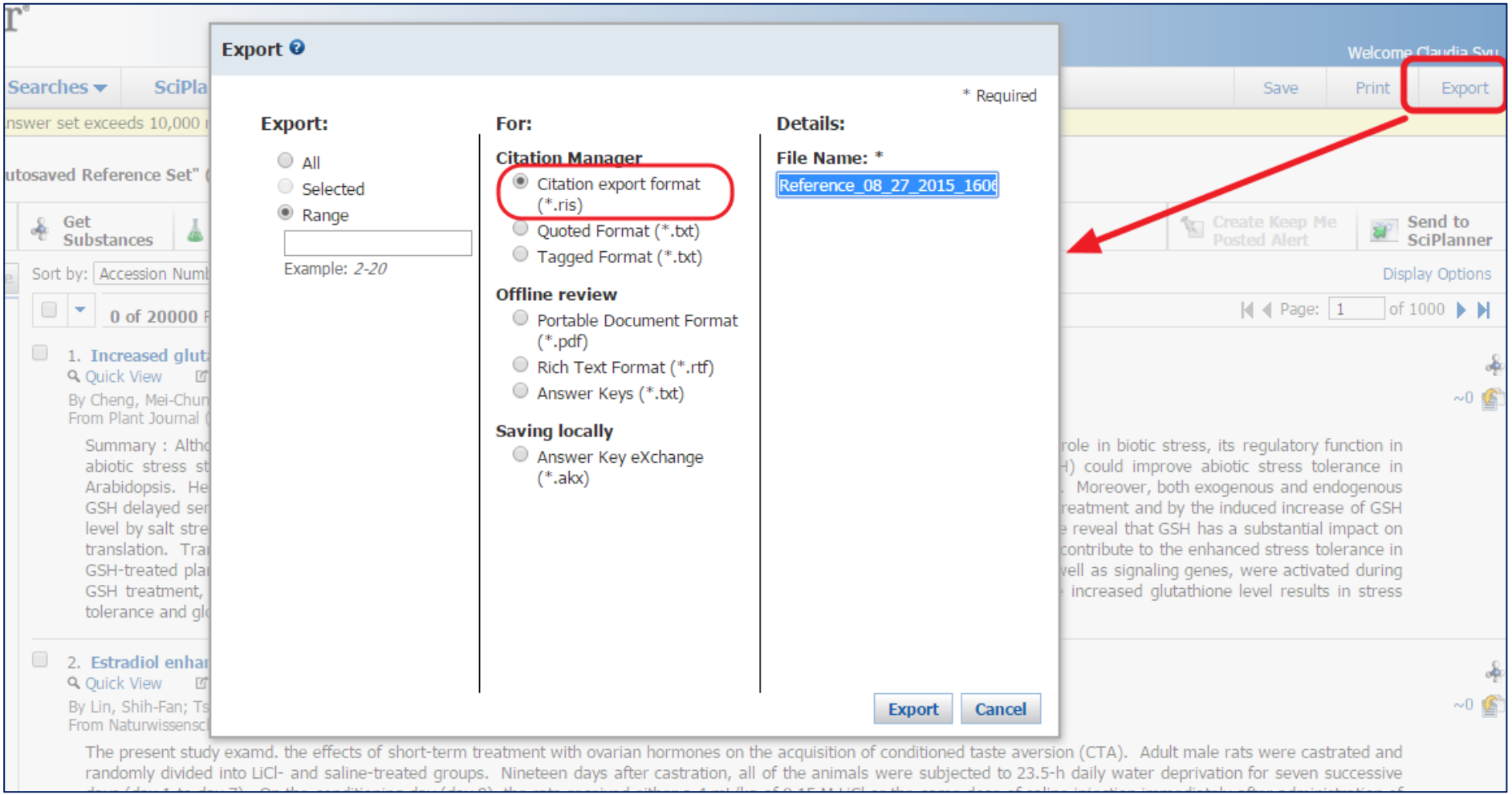


The photochem. behavior of a series of trans-3-(N-arylamino)stilbenes (m1, aryl = 4-substituted Ph with a substituent of cyano (CN), hydrogen (H), Me (Me), or methoxy (OM)) in both nonpolar and polar solvents is reported and compared to that of the corresponding para isomers (p1CN, p1H, p1Me, and p1OM). The distinct propensity of torsional motion toward a low-lying twisted intramol. charge-transfer (TICT) state from the planar ICT (PICT) precursor between the meta and para isomers of 1CN and 1Me reveals the intriguing meta conjugation effect and the importance of the reaction kinetics. Whereas the poor charge-redistribution (delocalization) ability through the meta-phenylene bridge accounts for the unfavorable TICT-forming process for m1CN, it is such a property that slows down the decay processes of fluorescence and photoisomerization for m1Me, facilitating the competition of the single-bond torsional reaction. In contrast, the quinoidal character for p1Me in the PICT state kinetically favors both fluorescence and photoisomerization but disfavors the single-bond torsion. The resulting concept of thermodynamically allowed but kinetically inhibited TICT formation could also apply to understanding the other D-A systems, including trans-4-cyano-4'-(N,N-dimethylamino)stilbene (DCS) and 3-(N,N-dimethylamino)benzonitrile (3DMABN).

3. **Photoisomerization of the green fluorescence protein chromophore and the meta- and para-amino analogues**
Quick View | Other Sources
By **Yang, Jye-Shane**; Huang, Guan-Jhih; Liu, Yi-Hung; Peng, Shie-Ming
From Chemical Communications (Cambridge, United Kingdom) (2008), (11), 1344-1346. | Language: English, Database: CAPLUS
~54

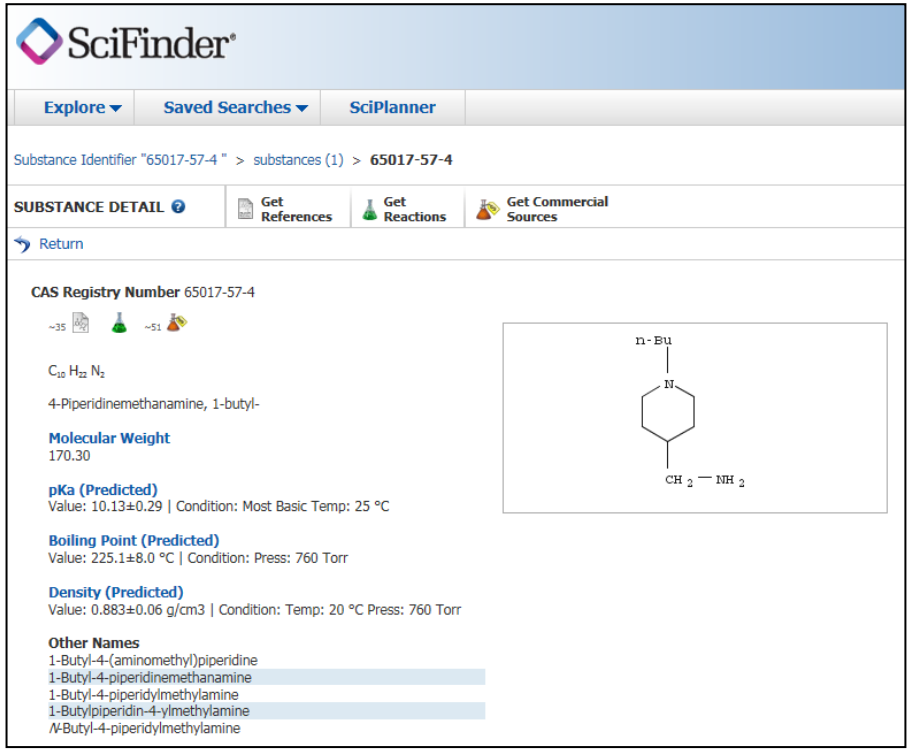
The Z → E photoisomerization and fluorescence quantum yields for the wild-type green fluorescence protein (GFP) chromophore (I) and its meta- and para-amino analogs (II and III) in aprotic solvents (hexane, THF, and acetonitrile) and protic solvents (methanol and 10-20% H_2O in THF) are reported. The dramatic decrease in the quantum yields on going from aprotic to protic solvents indicates the important role of solvent-solute hydrogen bonding in the nonradiative decay pathways. The enhanced fluorescence of II is

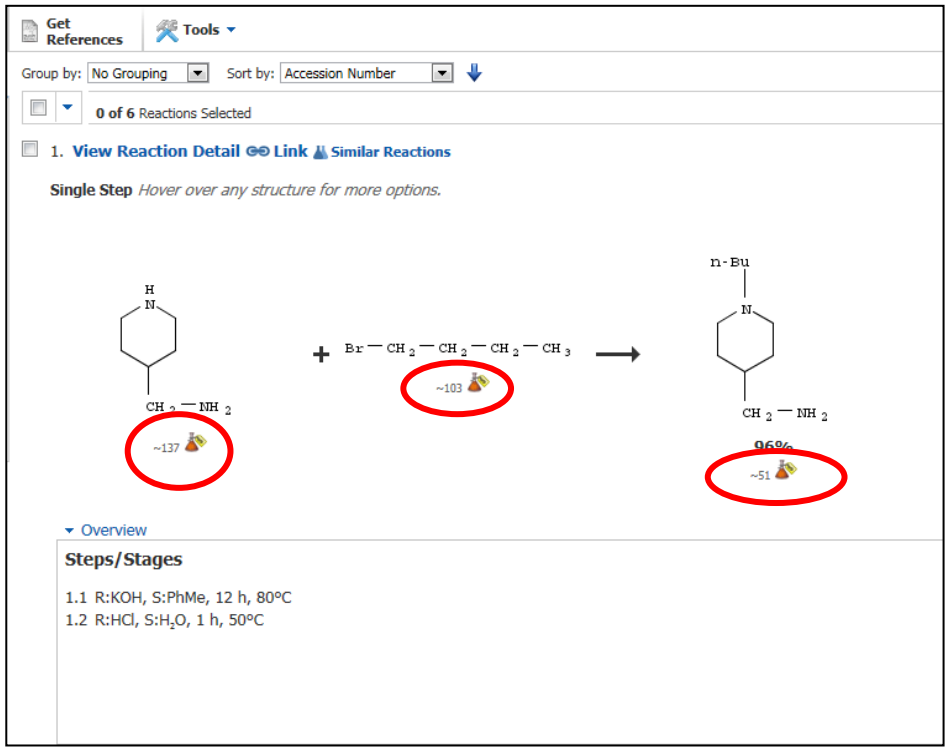
進階功能運用 – 文獻導入EndNote

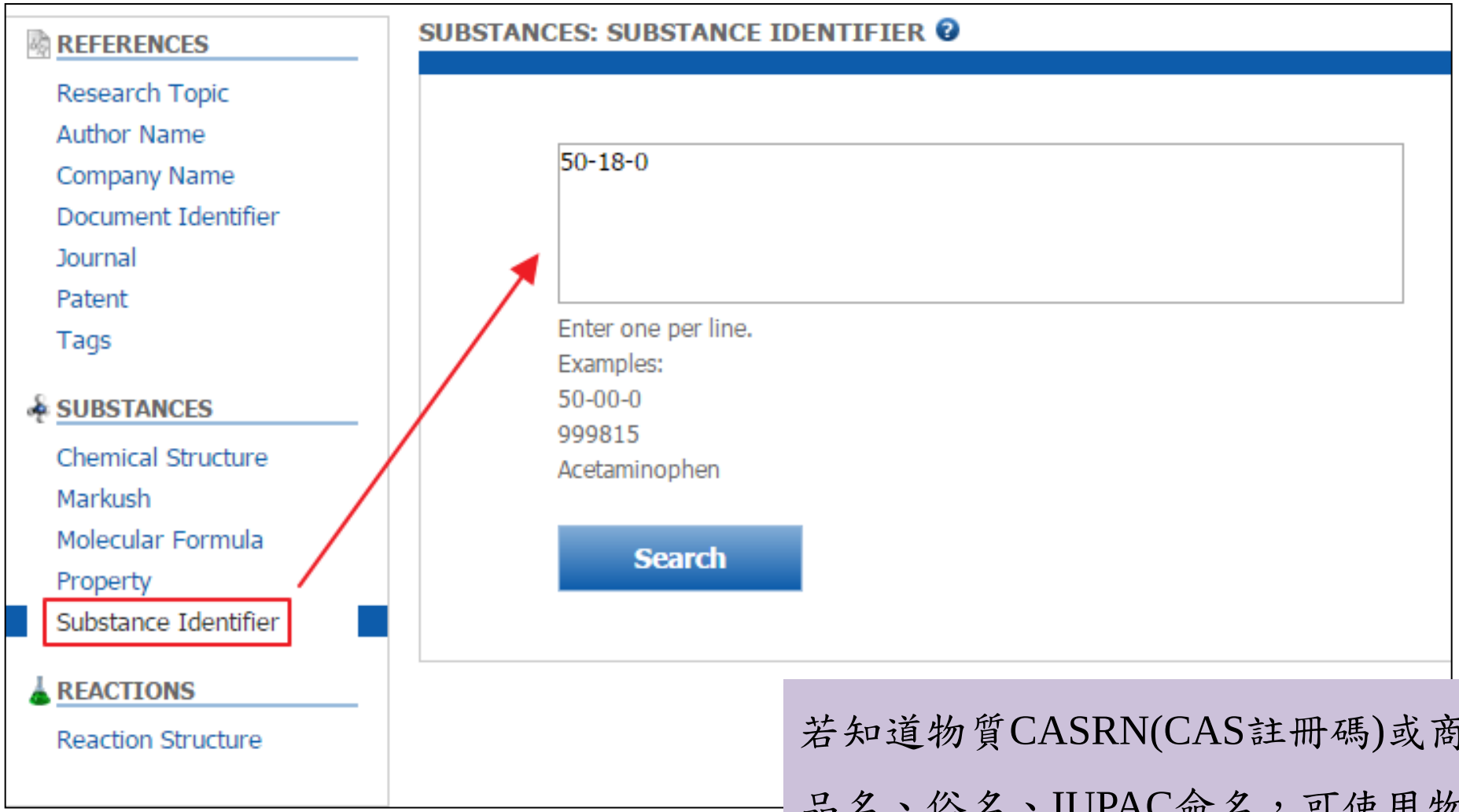


進階功能運用 – 購買化學物質

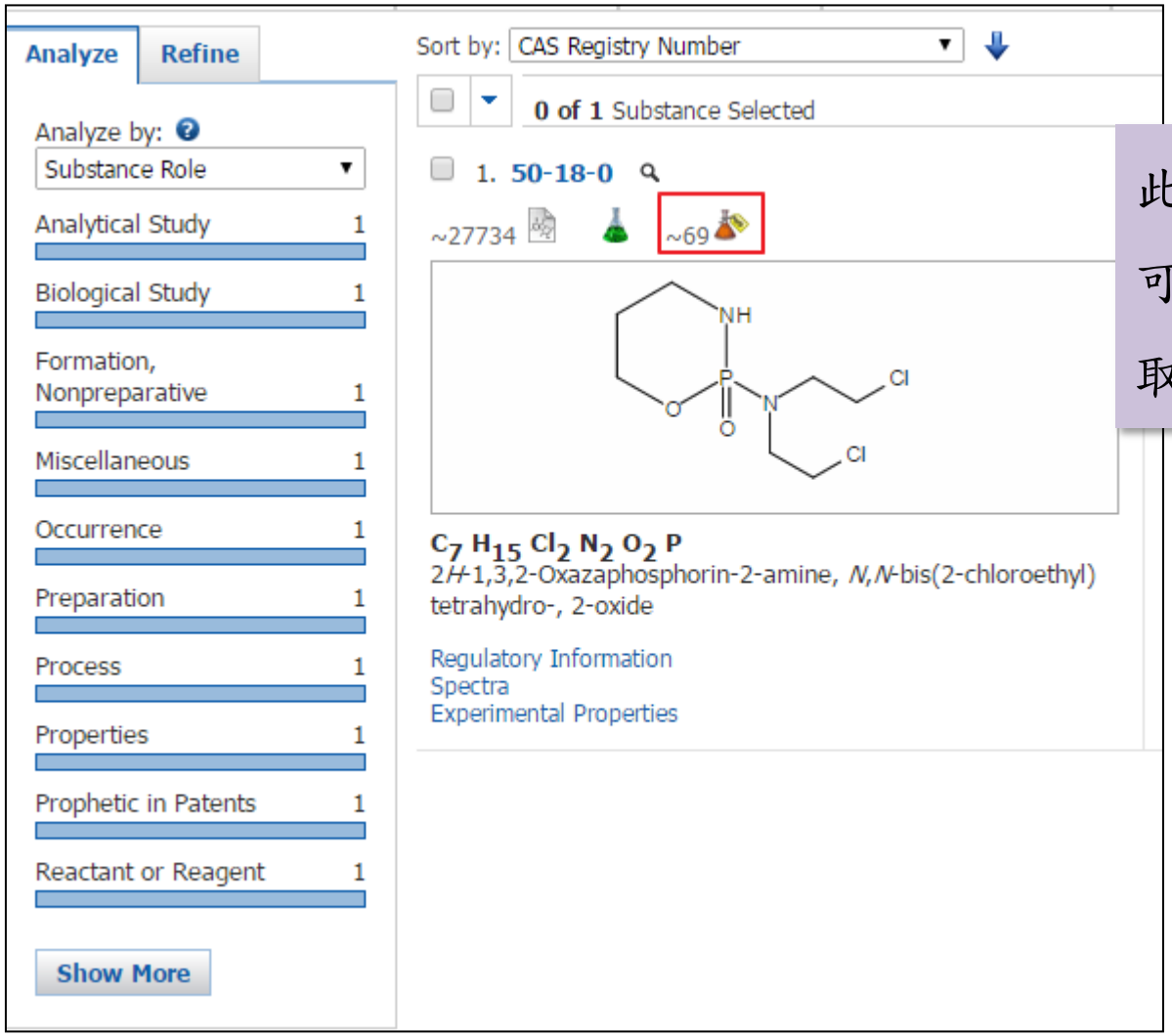
Get Commercial Sources







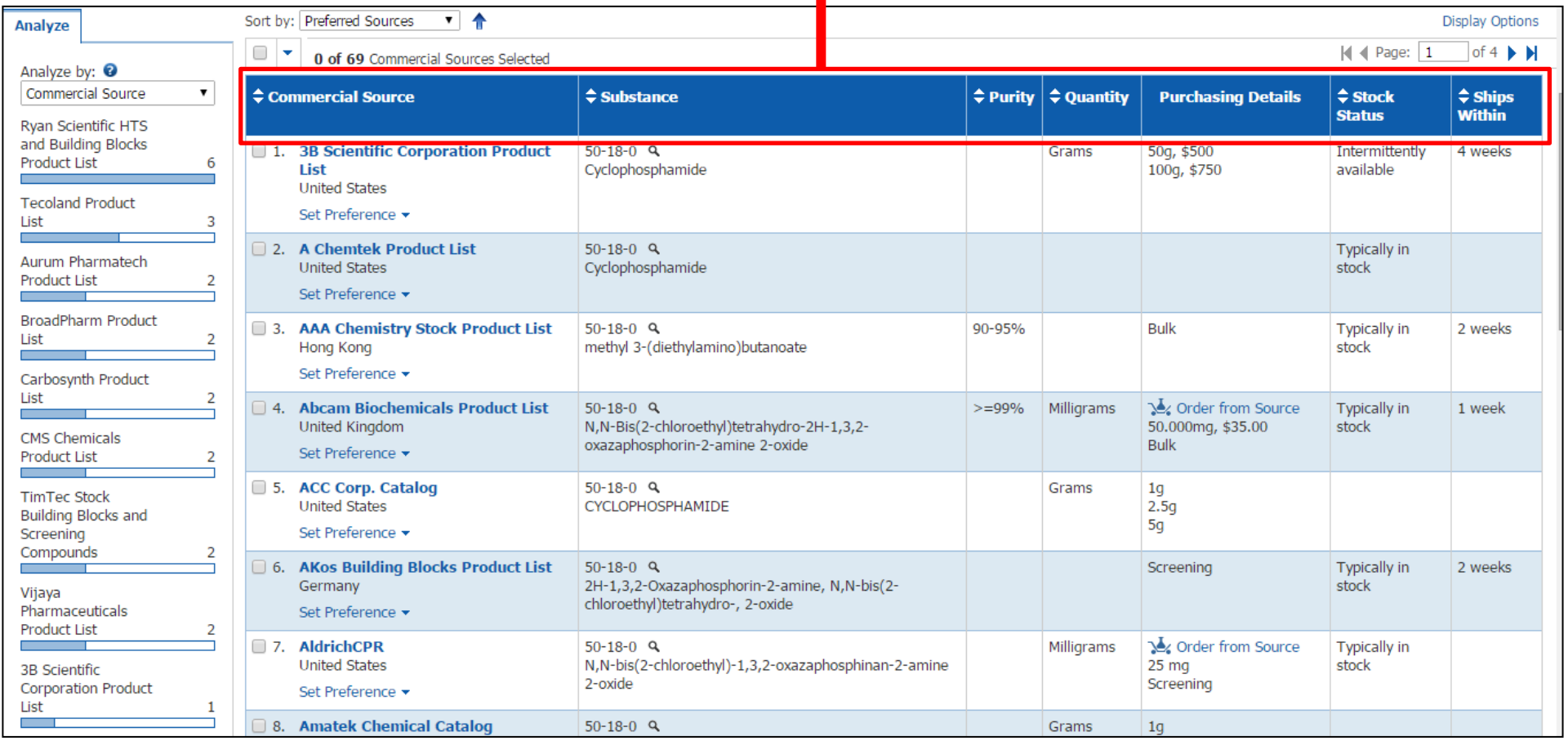
若知道物質CASRN(CAS註冊碼)或商品名、俗名、IUPAC命名，可使用物質檢索 Substance Identifier此項功能



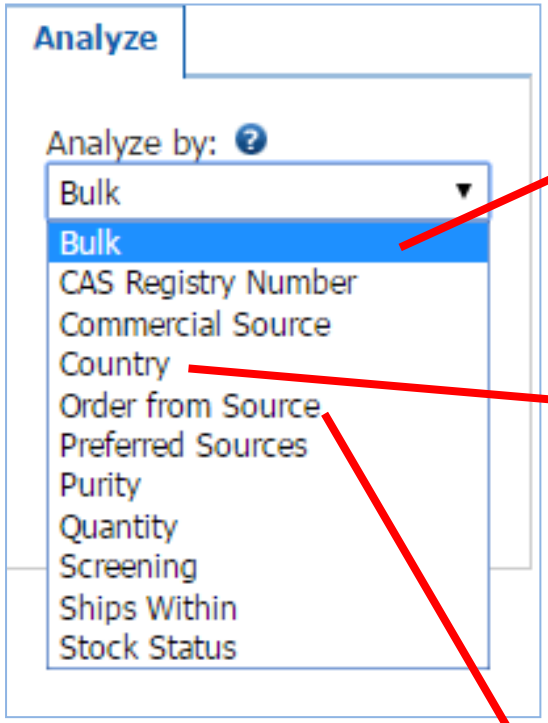
此圖示表示該物質在市場上可購買到。點擊該圖示可獲取此物質商品來源廠商資訊。

單擊第一行任一標題，可重新排序商家。

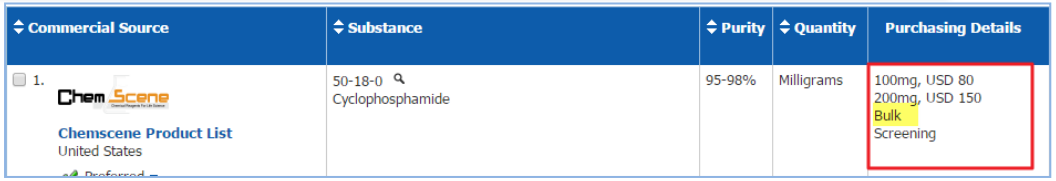
例如:點擊 Purity (純度)，商品來源將按照物質純度排列。標示最高純度的商家排列在最前方。



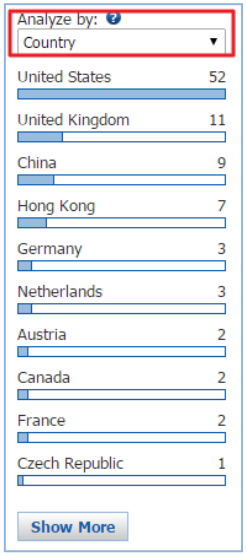
分析與排序商品來源



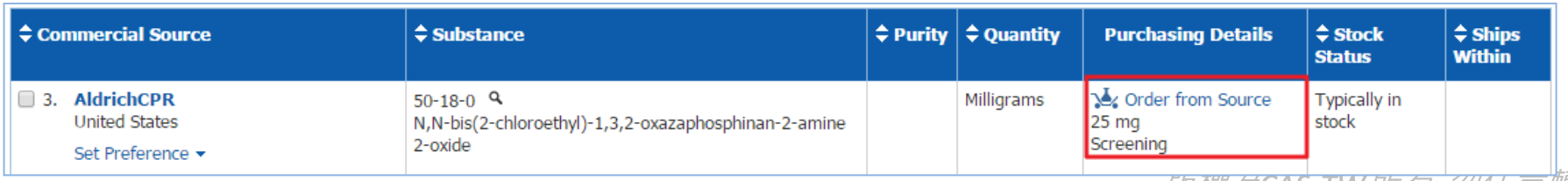
查看哪些廠商有做公斤以上的量 如:噸



廠商依照國家分類



分類可線上購物的廠商



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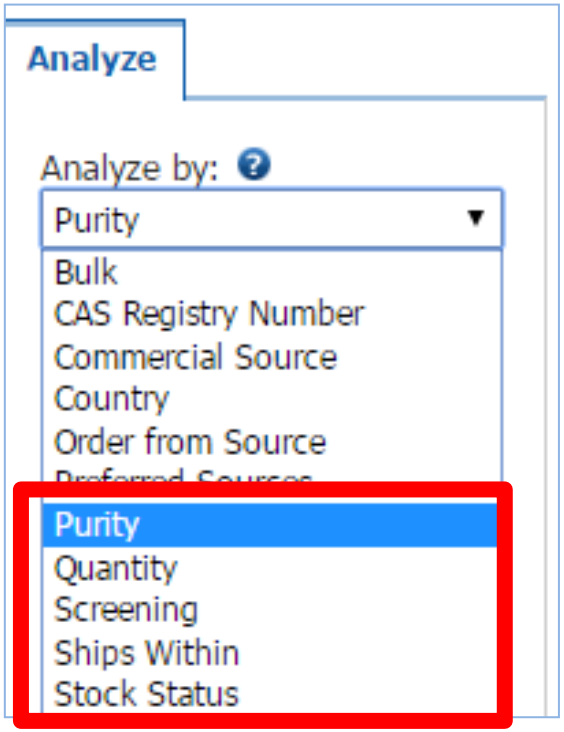
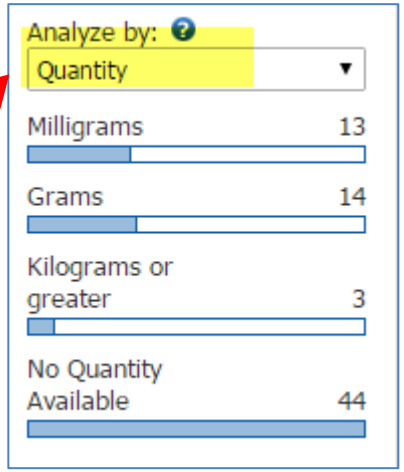
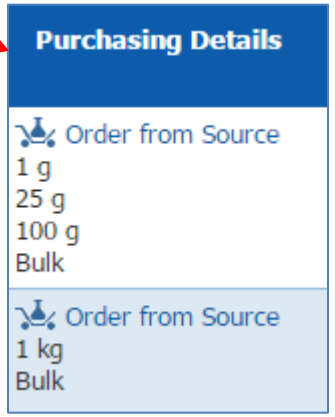


Purity 依照純度排列

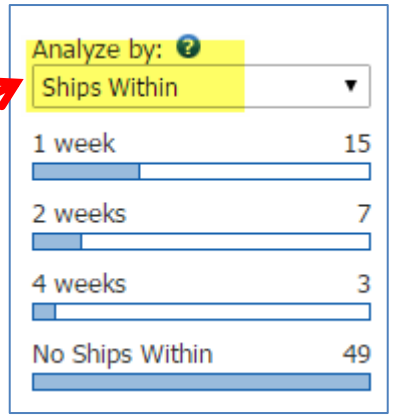
Quantity 容量大小分類



Screening 包裝與價格分類



Ships Within 到貨時間

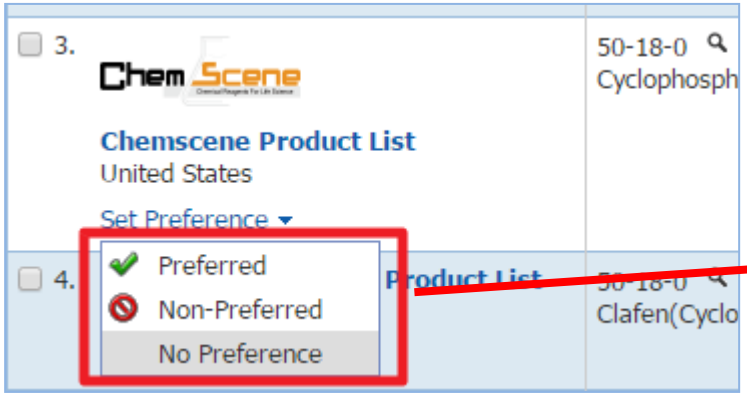


Stock Status 庫存狀態

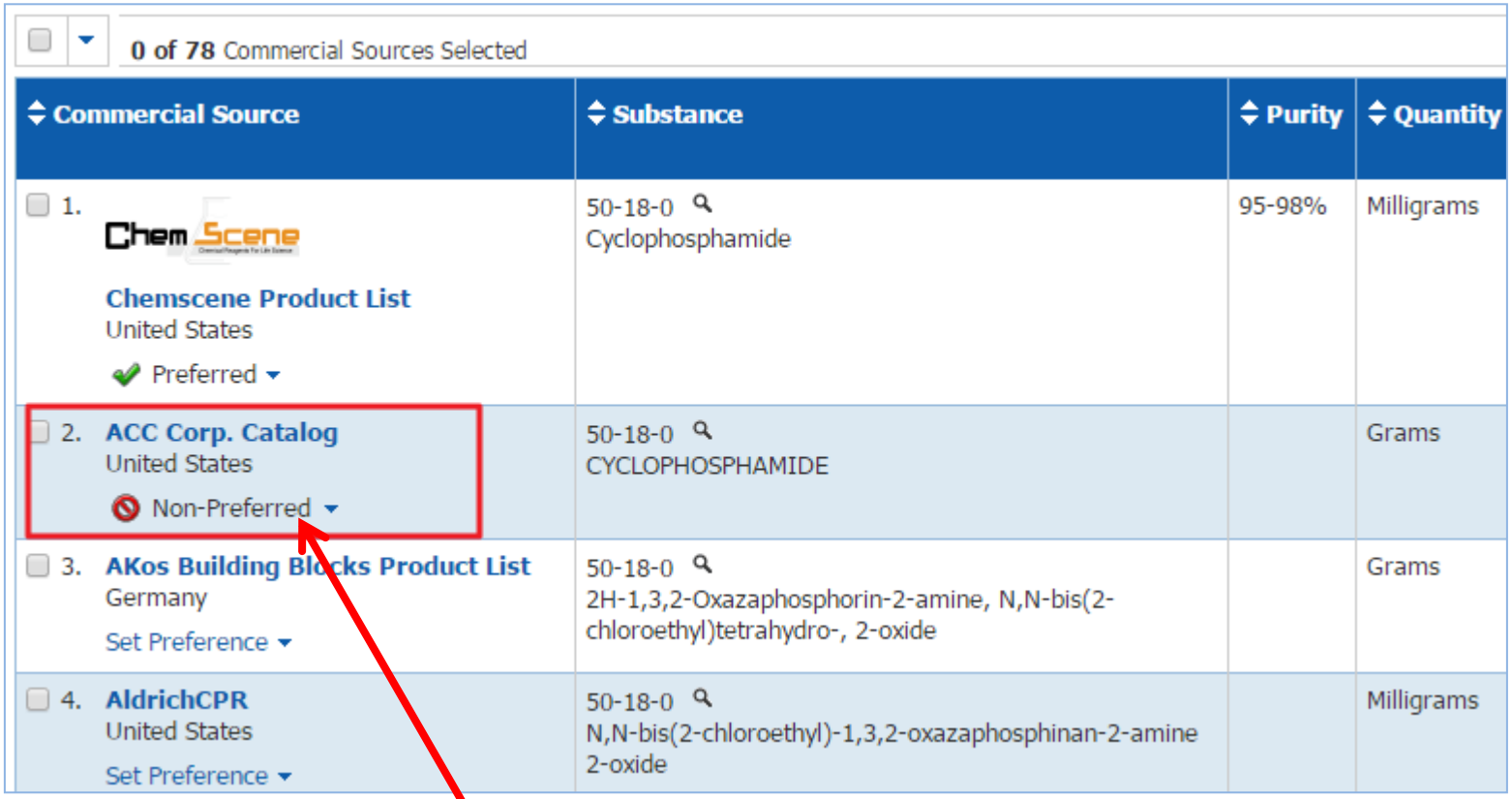
指定喜愛的廠商

Commercial Source	Substance	Purity	Quantity	Purchasing Details	Stock Status	Ships Within
1. **ApexBio Technology Product List** United States Set Preference	50-18-0 Cyclophosphamide	95-98%	Milligrams	Order from Source 100mg, $80 Bulk Screening	Maintained in stock	1 week
2. **Aurum Pharmatech Product List** United States Set Preference	50-18-0 Cyclophosphamide	95-98%	Grams	Order from Source 2.5 G, USD 160 5 G, USD 236.44 25 G, USD 663.58 100 G, USD 1888.99 Bulk	Maintained in stock	1 week
3. Chem Scene **Chemscene Product List** United States Set Preference	50-18-0 Cyclophosphamide	95-98%	Milligrams	100mg, USD 80 200mg, USD 150	Maintained in stock	1 week

往後每次查詢此廠商皆“會”在結果頁面第一個出現



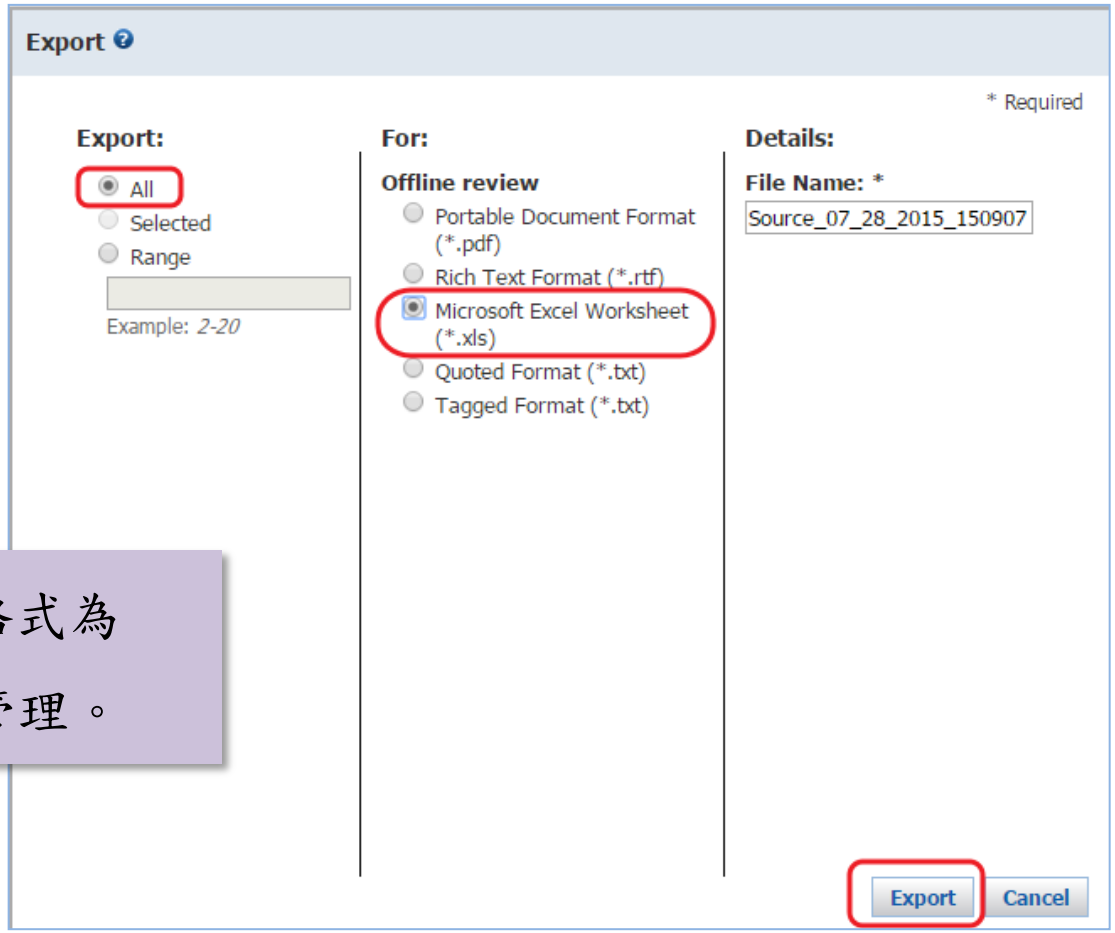
指定黑名單的廠商



往後每次查詢此廠商“不會”

在結果頁面第一個出現

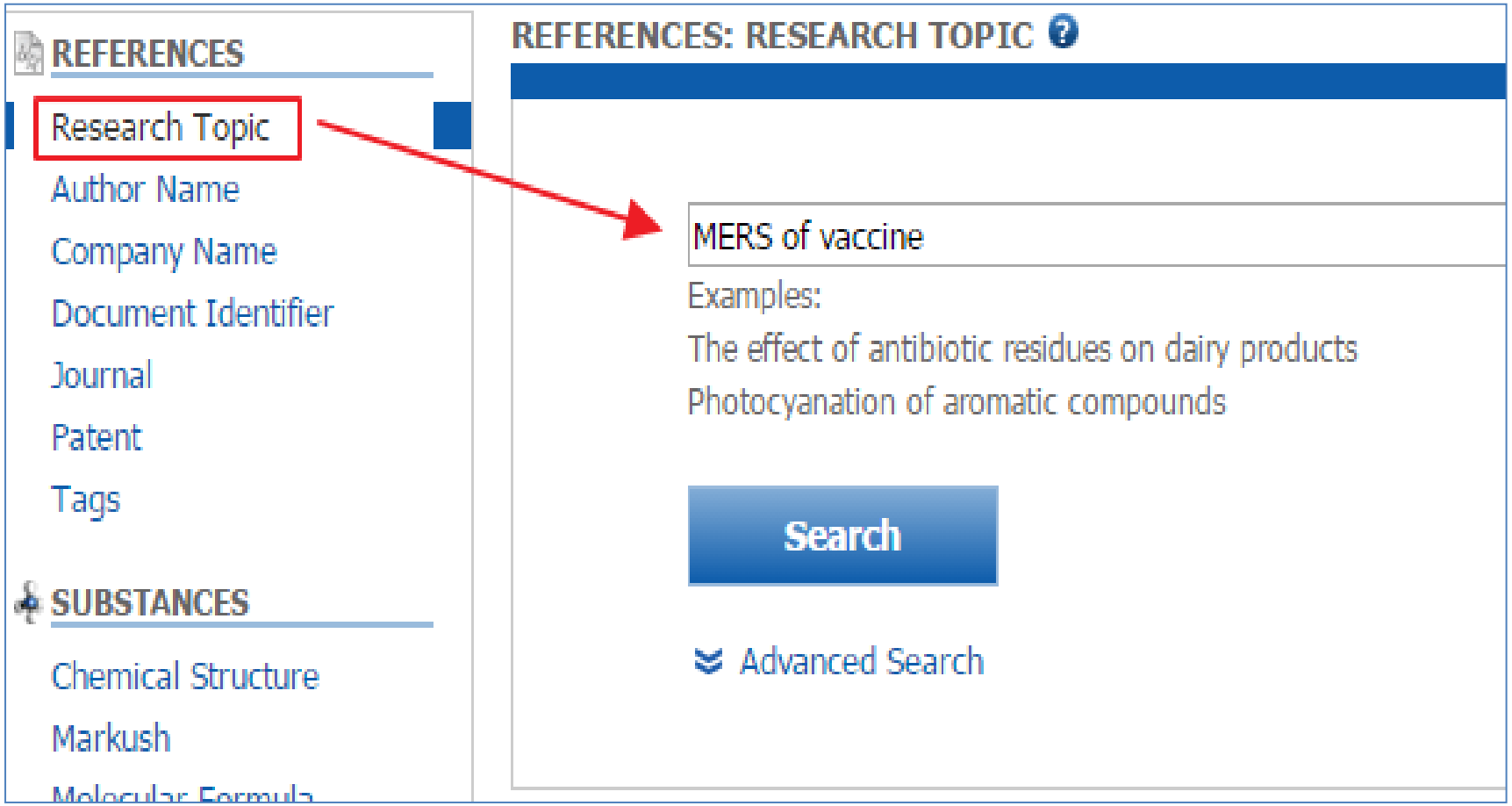
匯出報告商品來源訊息



按下 Export 選擇格式為 Excel表格，方便管理。

實際例子

例子 MERS疫苗開發



MERS 查詢結果

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201506查詢結果

1 of 5 Research Topic Candidates Selected

- [ ] 18 references were found containing **"MERS of vaccine"** as entered.
- [x] 2233 references were found containing the two concepts **"MERS"** and **"vaccine"** closely associated with one another.
- [ ] 5022 references were found where the two concepts **"MERS"** and **"vaccine"** were present anywhere in the reference.
- [ ] 571381 references were found containing the concept **"MERS"**.
- [ ] 451421 references were found containing the concept **"vaccine"**.

Get References

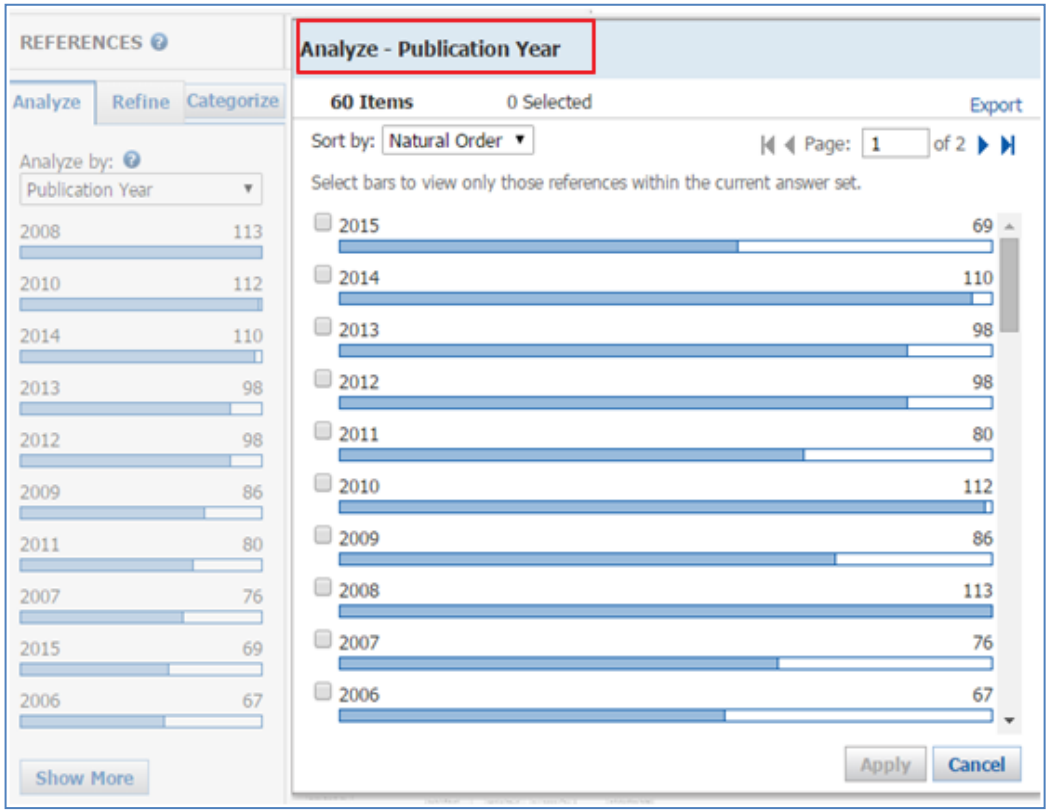
201508查詢結果

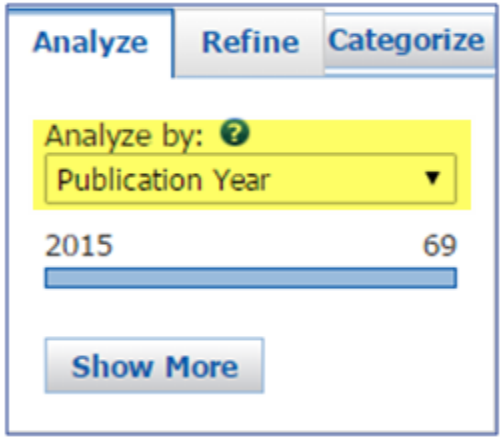
1 of 5 Research Topic Candidates Selected

- [ ] 21 references were found containing **"MERS of vaccine"** as entered.
- [x] 2259 references were found containing the two concepts **"MERS"** and **"vaccine"** closely associated with one another.
- [ ] 5077 references were found where the two concepts **"MERS"** and **"vaccine"** were present anywhere in the reference.
- [ ] 576912 references were found containing the concept **"MERS"**.
- [ ] 456655 references were found containing the concept **"vaccine"**.

Get References

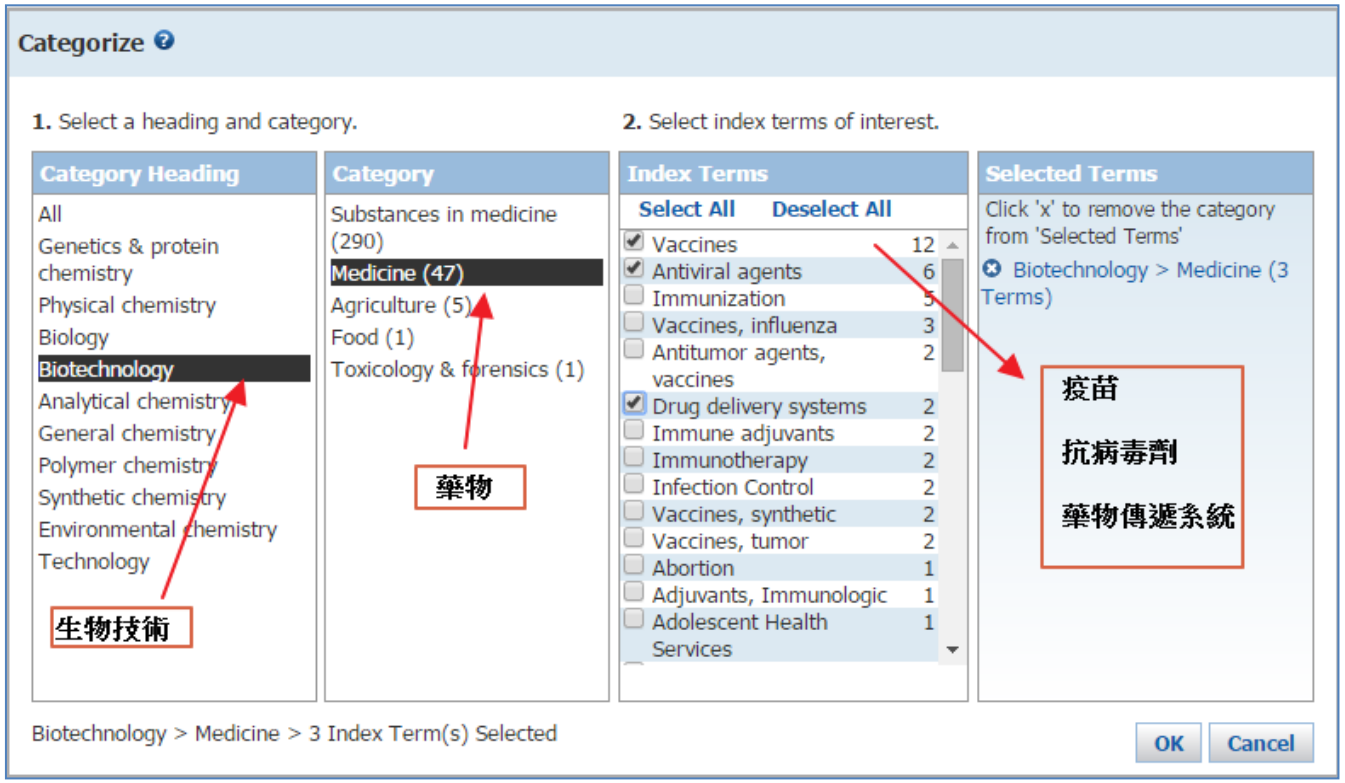
MERS 疫苗開發查詢過程





利用Categorize有系統尋找預探討主題，

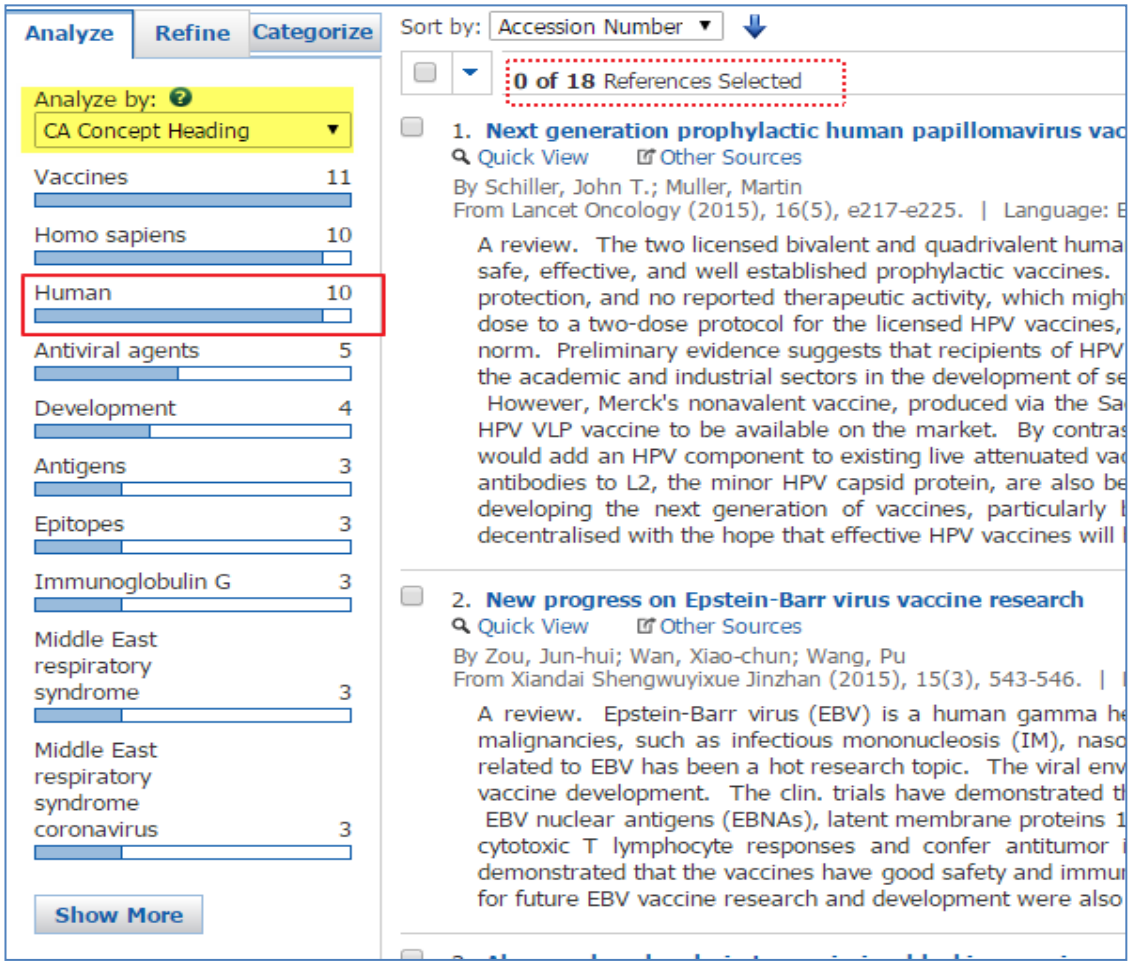
此次我們選擇生物技術中的“疫苗”、“抗病毒劑”與“藥物傳遞系統”，這三個關鍵字的文獻。



透過Categorize的分類，有效的限縮與關注主題。

篩選出的文獻(18篇)再利用**CA Concept Heading**

選擇領域“Human”，限縮10篇文獻。



MERS 疫苗開發查詢結果

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3. Middle East respiratory syndrome coronavirus (MERS-CoV) particulate vaccine

By: Smith, Gale; Liu, Ye; Massare, Michael
Assignee: Novavax, Inc., USA

中東呼吸道症候群 (MERS-Cov) 微粒疫苗

The authors disclose virus-like particles for eliciting protection against Middle East respiratory syndrome coronavirus (MERS-CoV). The virus-like particles (VLP) comprises nanoparticles of the MERS-CoV spike glycoprotein. In the examples, administration of VLP to mice or transgenic cattle was shown to induce a strain cross-reactive neutralizing antibody response.

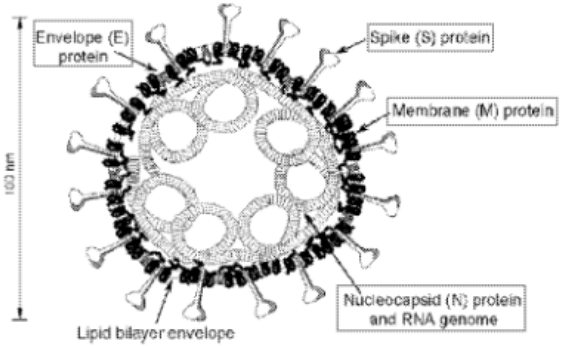
作者透露VLPs(virus-like particles)能夠誘發體內抵禦MERS-CoV。

VLPs由MERS-CoV 中spike glycoprotein的奈米顆粒所組成。

在實際的案例中，VLPs使用在小鼠和基轉牛隻上，已經證實可以誘發交叉中和性抗體反應。

Figure 1

Coronavirus Structure



- Single strand RNA virus
- 30 kb genome with 14 ORFs
- Four structural proteins:
  - Spike (S)
  - Membrane (M)
  - Envelope (E)
  - Nucleocapsid (N)

Masters, *Adv Virus Res* 2006

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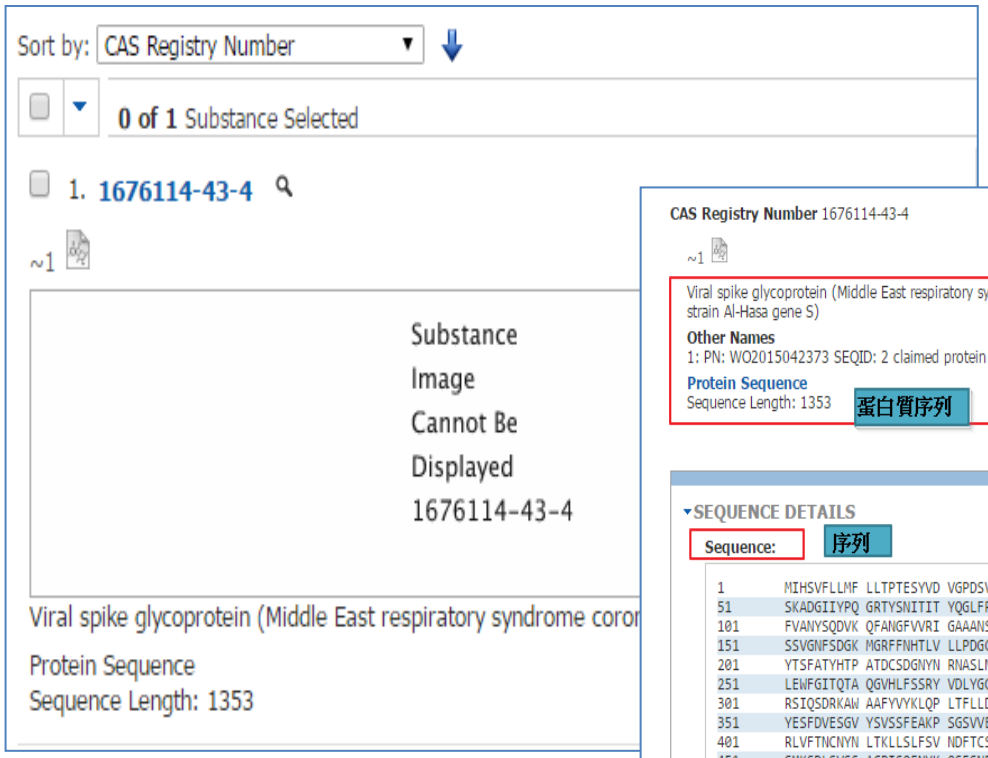

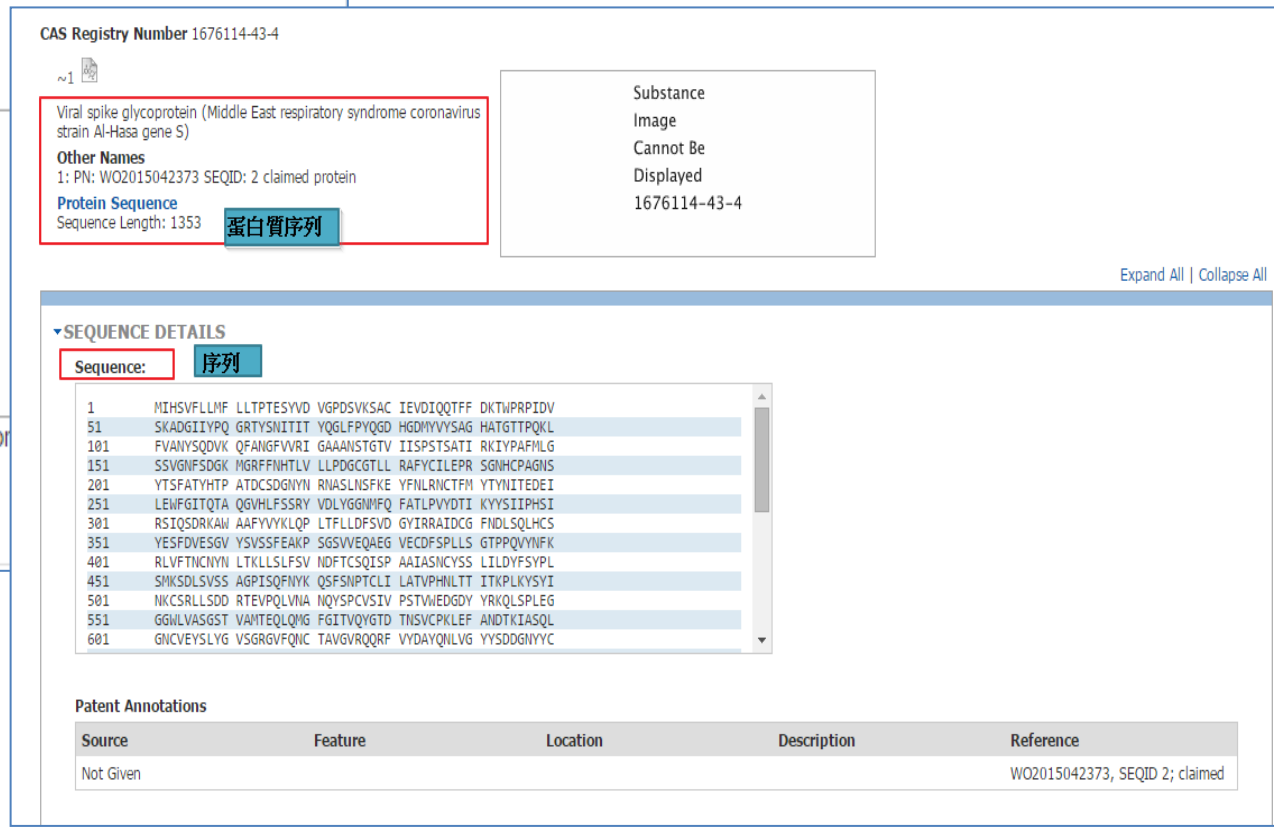

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- ✓ 全新**專利閱讀導航**-Patent Viewer，點選物質對應頁碼立即開啟Patent Viewer 瀏覽，專利訊息**解讀更容易**，並可連結SciFinder進行物質進階查詢，讓**流程更加簡化**。

專利家族全文下載

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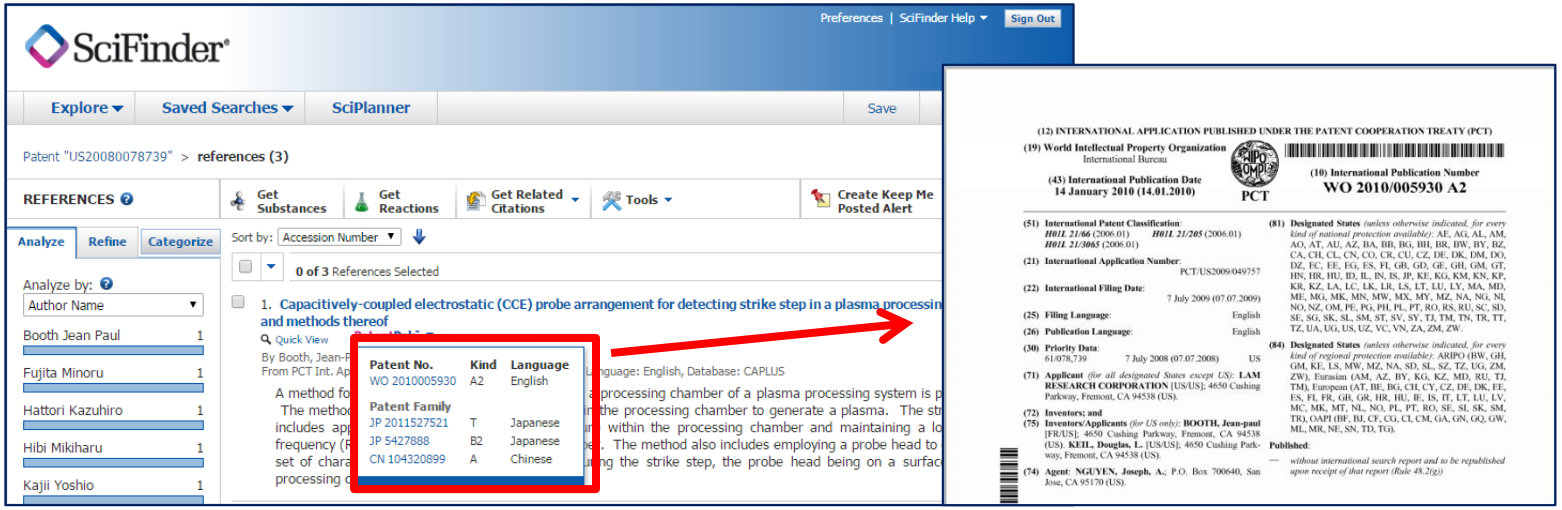

主要11個專利局可直接下載PDF

美國	日本	歐盟	世界專利組織
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1. Internal electrode structure inside inductor element and its fabrication method

By: Lee, Hwan Su; Cha, Hye Yeon; Choi, Yeong Sik; Wi, Seong Gwon
Assignee: Samsung Electro-Mechanics Co., Ltd., S. Korea

The invention relates to an inductor element contg. an internal electrode inside and its fabrication method. The inductor element contains a 1st electroplating layer set on a support member, an insulating layer covering the 1st electroplating layer and contg. an opening part exposing the upper face of the 1st electroplating layer, and a 2nd electroplating layer filled in the opening part. The internal electrode with high aspect ratio is set in the inductor element. The internal electrode is composed of the coil-shaped 1st and 2nd electroplating layers.

Patent Information

Patent No.	Kind	Language	Date	Application No.	Date
KR 1483876	B1		Jan 16, 2015	KR 2013-96645	Aug 14, 2013
JP 2015037179 PatentPak	A	Japanese	Feb 23, 2015	JP 2013-262916	Dec 19, 2013
US 20150048920 PatentPak	A1	English	Feb 19, 2015	US 2014-14459963	Aug 14, 2014

Priority Application

KR 2013-96645	A	Aug 14, 2013

日本專利PDF

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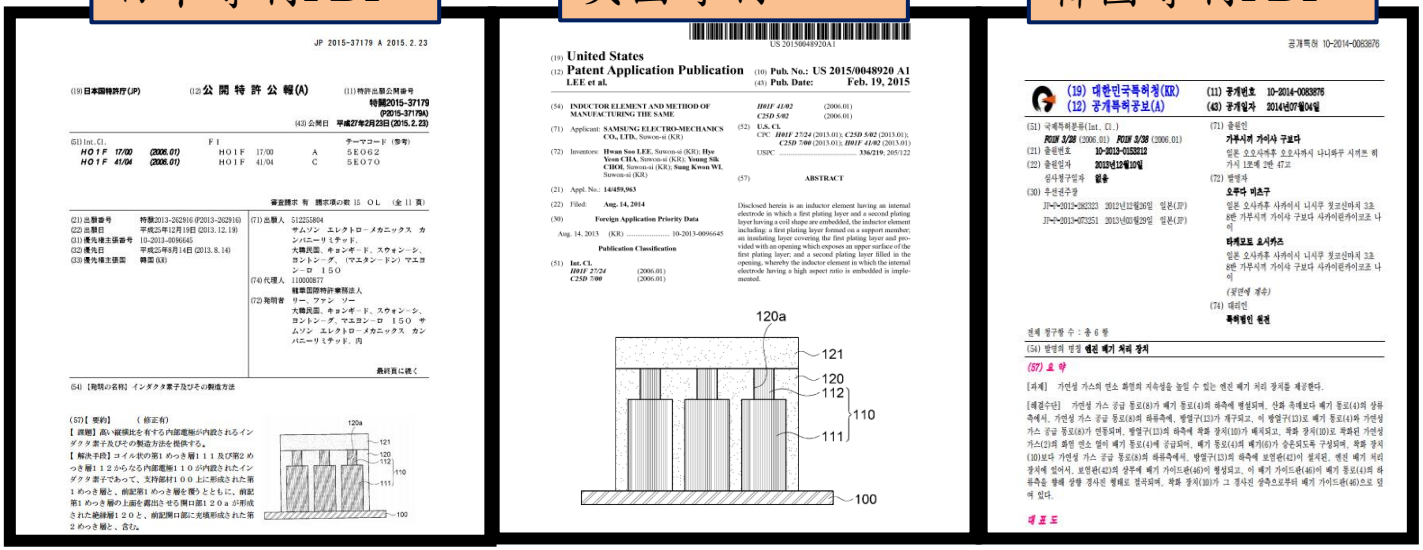

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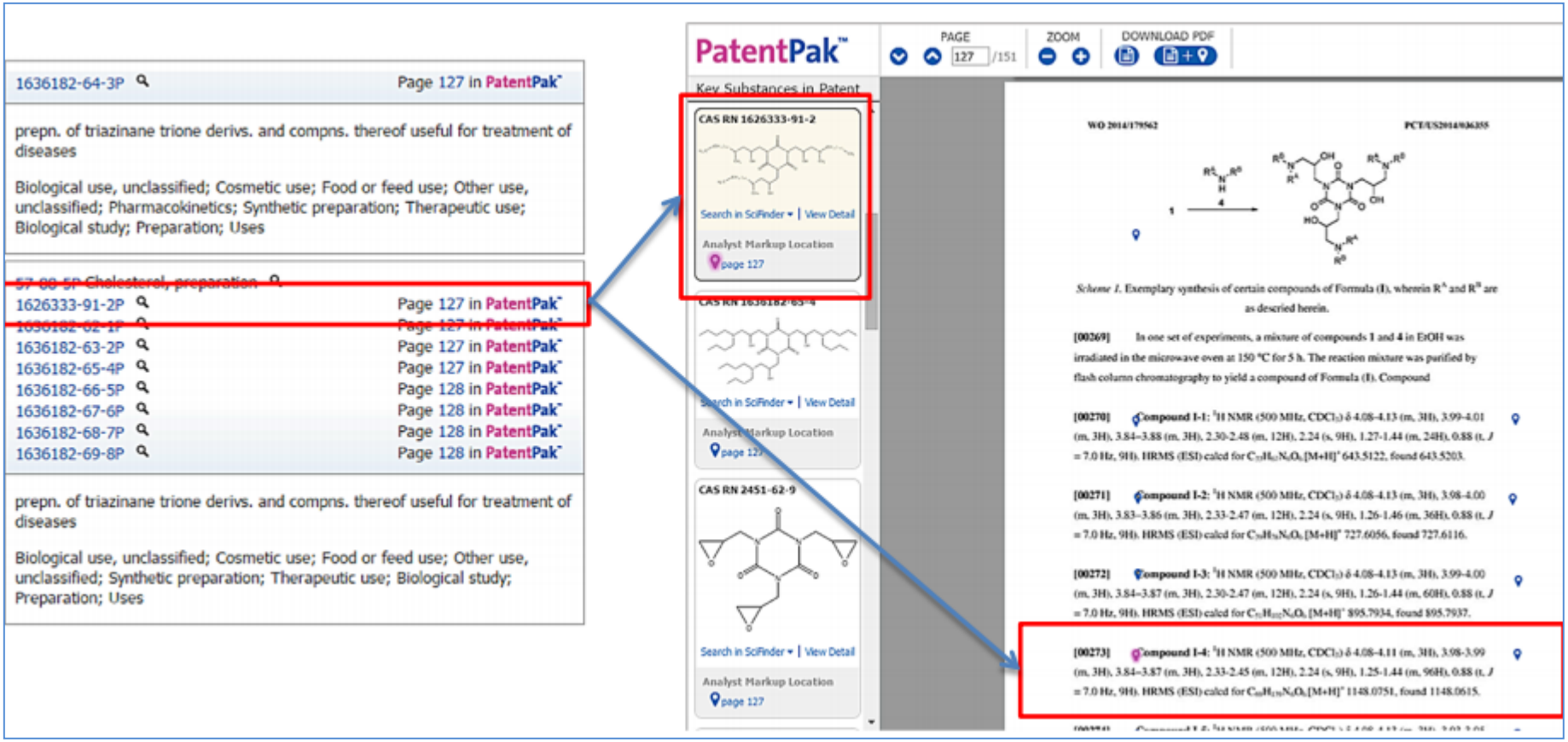
每篇專利中的索引物質 (key substances) 將會有專利全文頁碼的連結，**不需要花費時間**慢慢在專利全文尋找結構。



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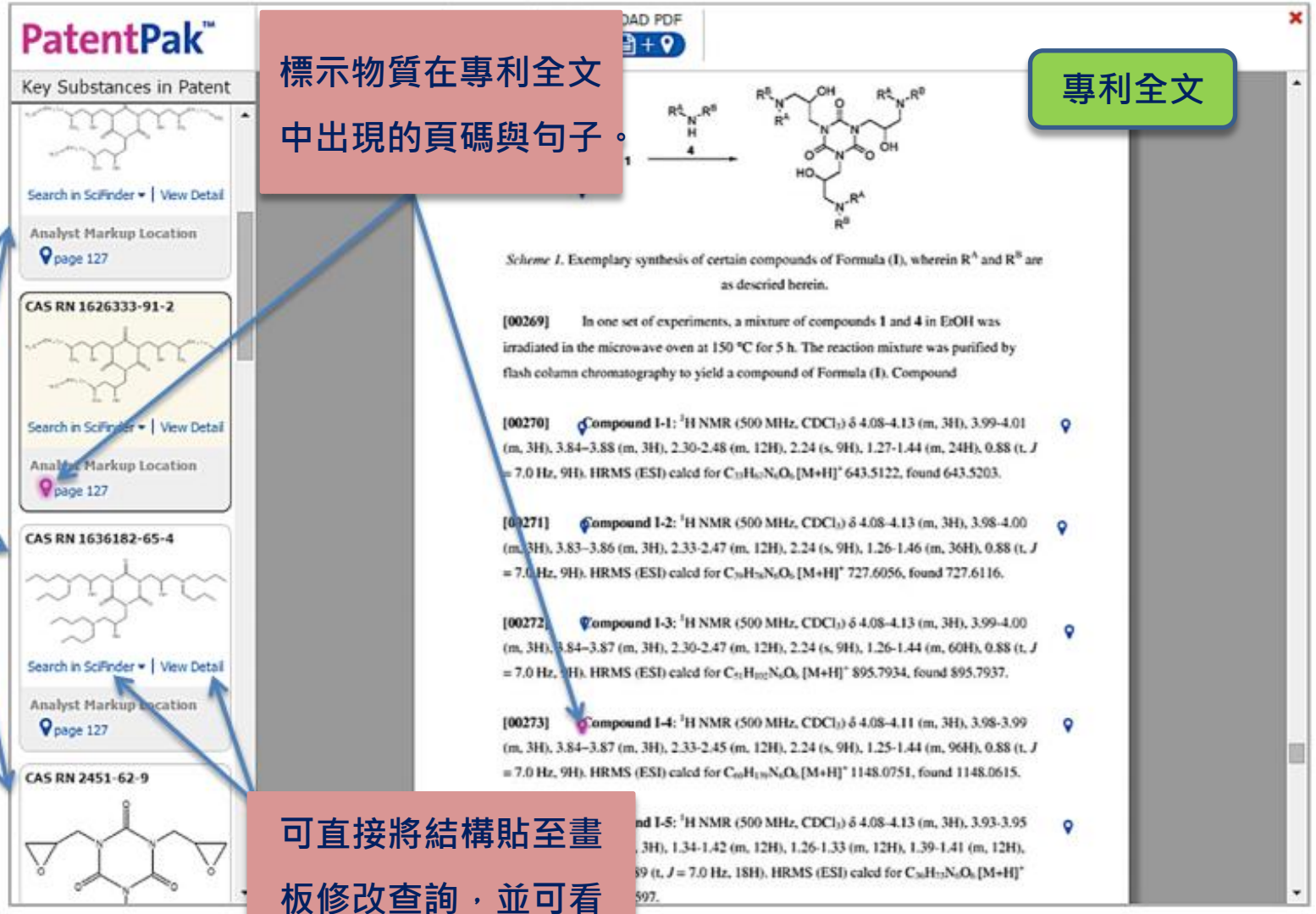

此篇專利重要物質(物質導航)

如何加速SciFinder 查詢流程

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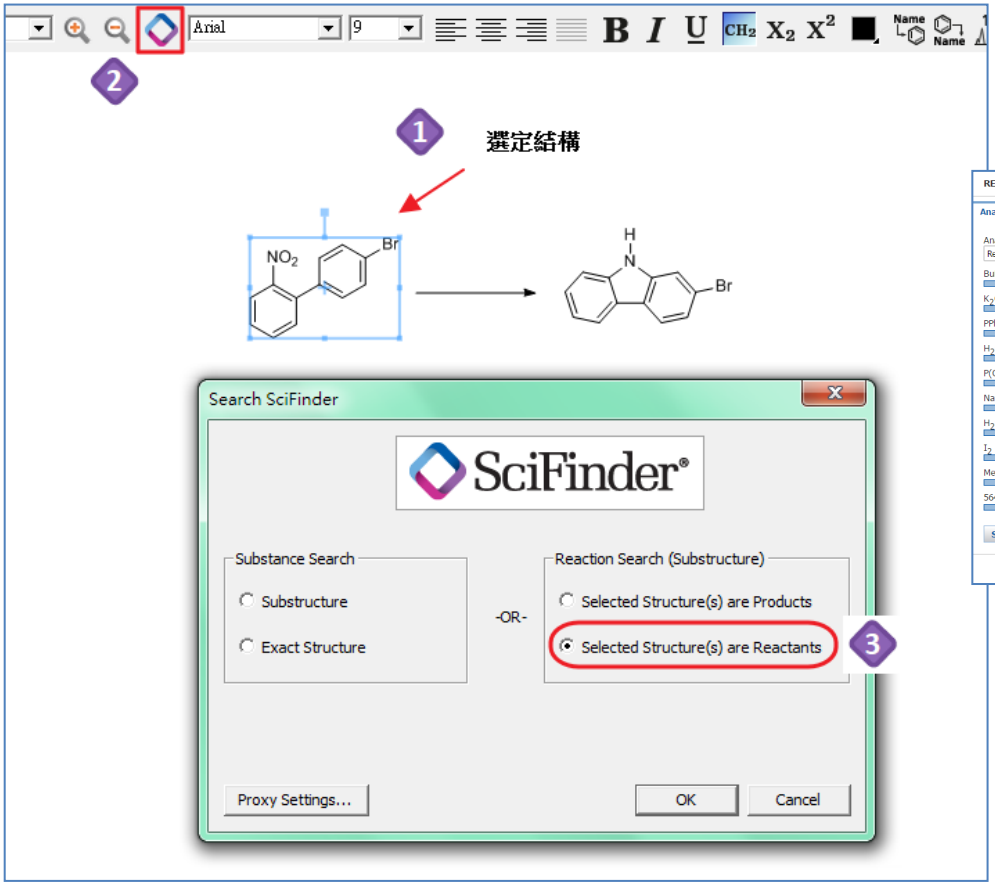
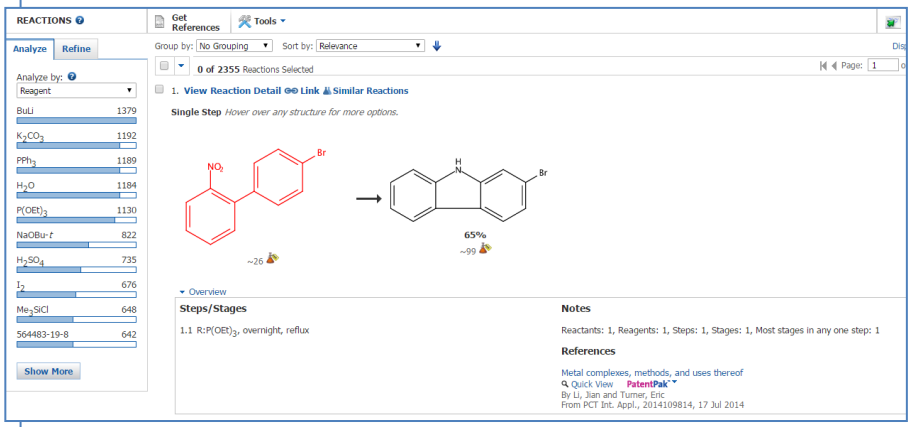
SciFinder是由CAS (美國化學索摘服務社)設計的線上檢索查詢平台，它是世界上**最權威**、**最全面性**的化學和科學資訊數據庫。現在**ChemBioDraw Ultra 14**提供了一個SciFinder按鈕，讓使用者要查詢SciFinder變的更加快速方便，以下為如何透過**ChemBioDraw Ultra 14** 查詢SciFinder的物質和反應資訊。





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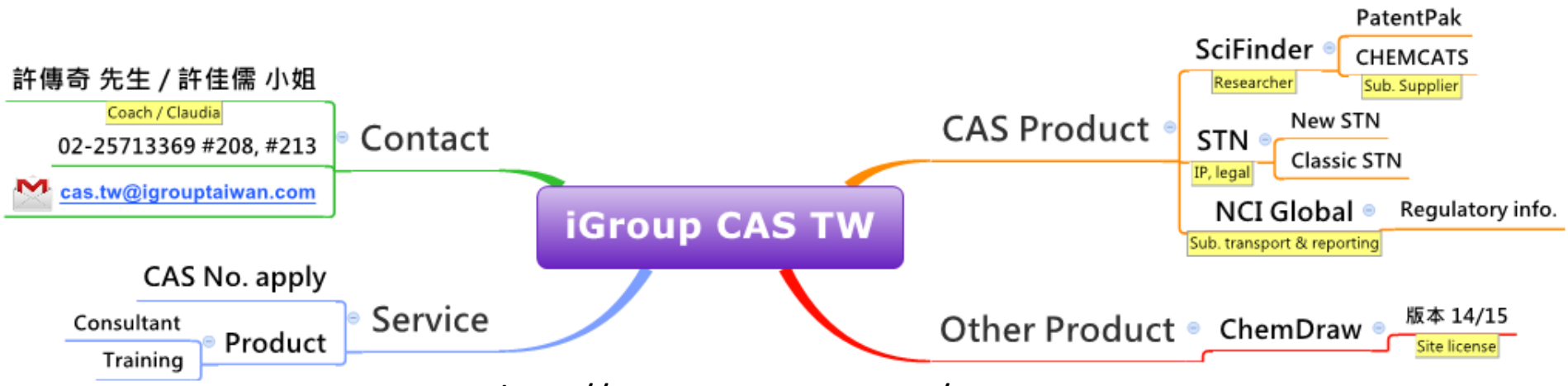

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