

SciFinderⁿ

使用技巧手冊

2019 年 11 月 28 日

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SciFinderⁿ 使用技巧 | 專利資訊的獲取—— PatentPak 的使用

References ▾ pcsk9 inhibitors

Best (30)

Good (4,768)

Fair (267K)

Learn more about Relevance...

Document Type

Journal (2M)

Patent (271K) **1**

Review (234K)

Biography (79)

Book (684)

View All

Substance Role

Adverse Effect (19)

Analytical Study (123)

Biological Study (621)

Combinatorial Study (2)

Occurrence (2)

View All

Language

English (125K)

Chinese (53K)

Treating autosomal dominant hypercholesterolemia associated with PCSK9 gain-of-function mutations using a PCSK9 inhibitor, such as anti-PCSK9 antibody

By: Swergold, Gary; Mellis, Scott; Sasiela, William J.
World Intellectual Property Organization, WO2014194111 A1 2014-12-04 | Language: English, Database: CAplus
View Reference Detail

Abstract: The present invention provides methods for treating autosomal dominant hypercholesterolemia (ADH). According to certain embodiments, the ADH is caused by or associated with a gain-of-function mutation (GOFm) in a gene encoding PCSK9. The GOFm encodes a PCSK9 variant protein comprising an amino acid substitution of V4I, E32K, D35Y, E48K, P71L, R96C, L108R, S127R, D129N, R215H, F216L, R218S, R357H, D374H, D374Y, S465L or R496W. The present invention therefore includes methods comprising selecting a patient who carries a GOFm in one or both alleles of the PCSK9 gene, and administering to the patient a pharmaceutical composition comprising a PCSK9 inhibitor. In certain embodiments, the PCSK9 inhibitor is an anti-PCSK9 antibody such as the exemplary antibody referred to herein as mAb316P (Alirocumab).

PATENTPAK ▾ **2** Text ▾ Substances (22) Reactions (0) Cited By (7) Citation Map

Patent	Language	Kind Code	3	4	5
WO2014194111	English	A1	PDF	PDF+	Viewer
US20140356370	English	A1	PDF		
AU2014274077	English	A1	PDF		
CN105263963	Chinese	A	PDF		
KR2016013046	Korean	A	PDF		
JP2016522211	Japanese	T	PDF		
JP6423868	Japanese	B2	PDF		

PCSK9 inhibitors for treating hypercholesterolemia associated therewith

3-11-21 | Language: English, Database: CAplus

an inflammatory response to infection and complications
tein convertase subtilisin kexin 9 (PCSK9) inhibitor to a subject,
monoclonal antibody or antigen-binding fragment thereof. The
AR236553/REGN727 (Alirocumab); RN-316; LGT209; or RG7652.

The PCSK9 inhibitor may be a peptide mimetic. The PCSK9 inhibitor may be an EGFA domain mimic, EGF-A peptide, a fibronectin-based scaffold domain protein, or a neutralizing PCSK9 variant. The PCSK9 inhibitor

1. 在文獻結果集中選擇文獻類型為Patent
2. 點擊 PatentPak 旁的小箭頭，查看專利族列表
3. PDF: 獲取專利PDF 全文
4. PDF+: 獲取附有物質標記資訊的專利 PDF 全文
5. Viewer: PatentPak 流覽器，線上快速閱讀專利全文

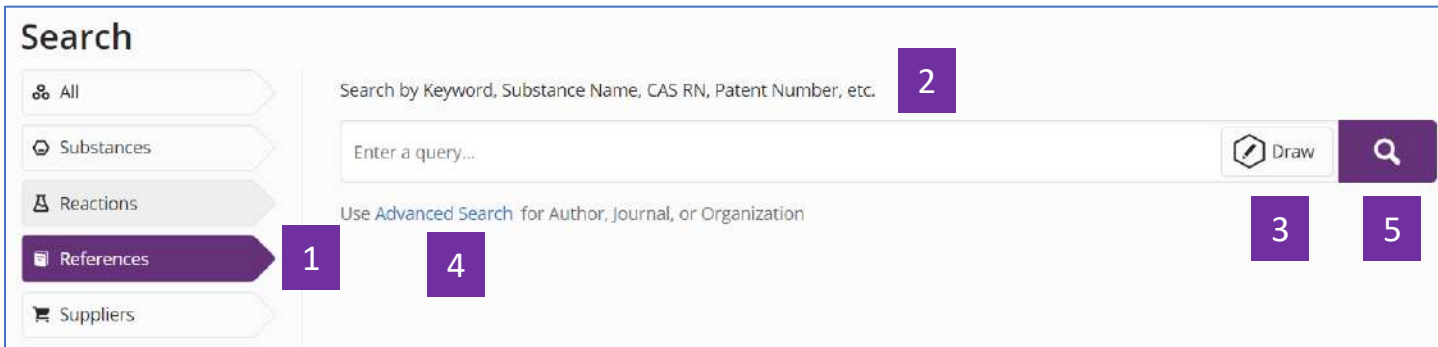
PatentPak 流覽器

The screenshot shows the PatentPak interface with the following details:

- Navigation Bar:** PAGE (76 / 86), ZOOM (minus/plus), DOWNLOAD (PDF, PDF+), and a purple box containing the number 4.
- Key Substances in Patent (Left Sidebar):**
 - CAS RN 1297530-29-0 (Page 76) - Box 1
 - CAS RN 1297530-36-9 (Page 76) - Box 3
 - CAS RN 1297530-33-6 (Page 76) - Box 3
 - CAS RN 1297530-49-4 (Page 76)
- Main Content Area:** A list of chemical structures and their corresponding patent page numbers. A purple box highlights the number 2 in the text of the 15th entry.

1. 物質位置資訊：點擊頁碼定位符號，右側PDF 全文快速跳轉至該物質出現的頁碼處，同時對應物質的位置符號由藍色變為紫色。
2. PDF 全文中對應的物質位置符號
3. 點擊 CAS 登記號，獲取物質詳情
4. 下載專利全文：PDF: 獲取專利 PDF 全文；PDF+: 獲取附有物質標記資訊的專利 PDF 全文。

SciFinderⁿ 使用技巧 | 文獻資訊的獲取



Search

All
Substances
Reactions
References
Suppliers

Search by Keyword, Substance Name, CAS RN, Patent Number, etc. 2

Enter a query... Draw 3 5

Use Advanced Search for Author, Journal, or Organization 4

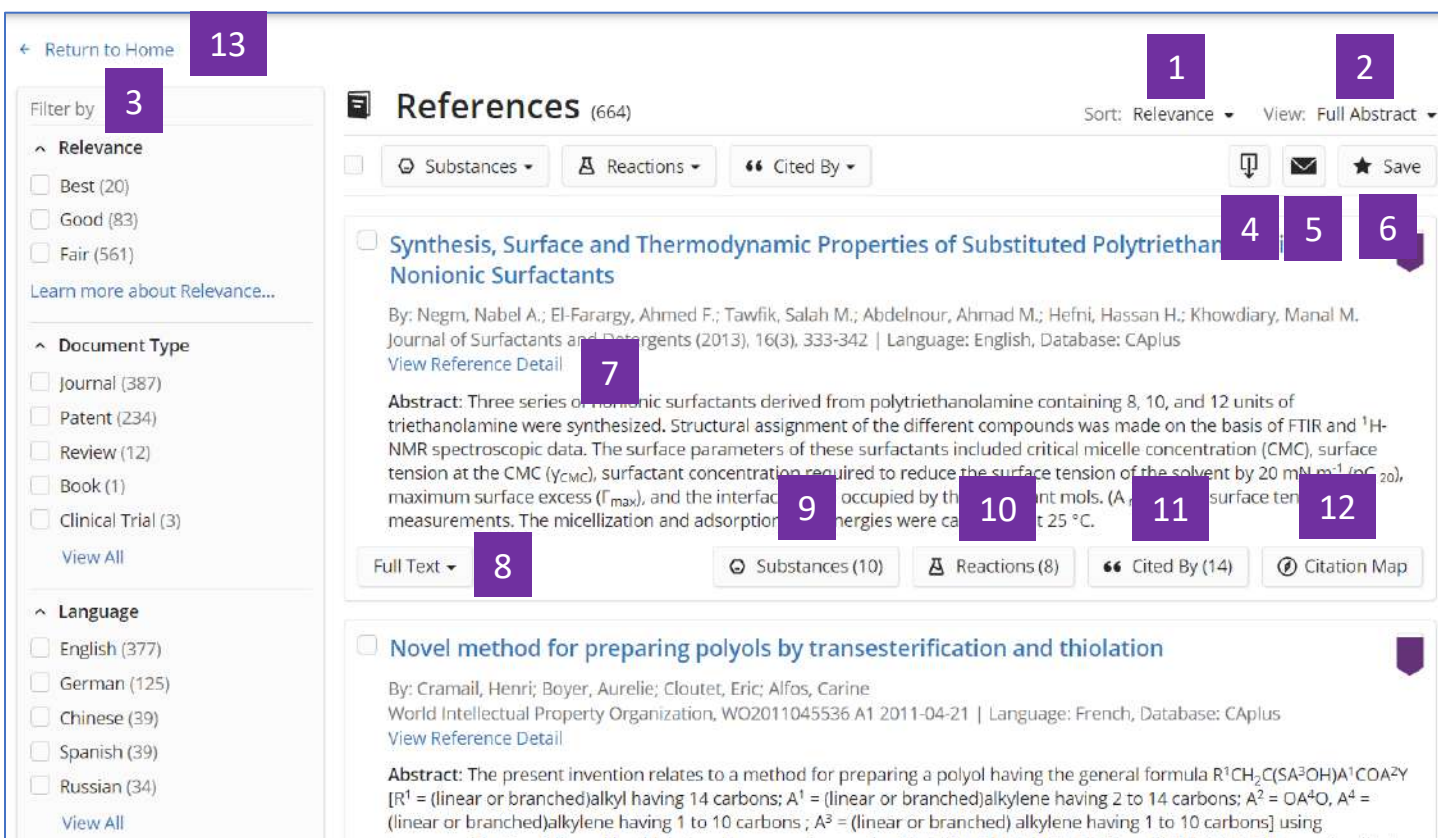
1. 選擇 **References**，進行文獻檢索

2. 輸入檢索資訊：關鍵字、物質名稱、**CAS** 登記號和專利號等

3. 點擊 **Draw**，繪製檢索。並在2所示的文字方塊中輸入相應文本，獲取相關文獻，所得文獻結果包含輸入文本及繪製的物質（反應）結構

4. 點擊 **Advanced Search**，進行作者、期刊名或組織機構名檢索

5. 點擊放大鏡，開始檢索



Return to Home 13

Filter by 3

Relevance 4

Document Type 5

Language 6

References (664) 1

Sort: Relevance 2 View: Full Abstract 2

Substances 8 Reactions 9 Cited By 10 Save 12

Synthesis, Surface and Thermodynamic Properties of Substituted Polytriethanolamine Nonionic Surfactants 4 5 6

By: Negm, Nabel A.; El-Faragy, Ahmed F.; Tawfik, Salah M.; Abdelnour, Ahmad M.; Hefni, Hassan H.; Khowdiary, Manal M. Journal of Surfactants and Detergents (2013), 16(3), 333-342 | Language: English, Database: CAPlus View Reference Detail 7

Abstract: Three series of nonionic surfactants derived from polytriethanolamine containing 8, 10, and 12 units of triethanolamine were synthesized. Structural assignment of the different compounds was made on the basis of FTIR and ¹H-NMR spectroscopic data. The surface parameters of these surfactants included critical micelle concentration (CMC), surface tension at the CMC (γ_{CMC}), surfactant concentration required to reduce the surface tension of the solvent by 20 mN/m² (α_{C20}), maximum surface excess (Γ_{max}), and the interfacial area occupied by the surfactant monomers (A_{int}) at 25 °C. 9 10 11 12

Full Text 8 Substances (10) Reactions (8) Cited By (14) Citation Map

Novel method for preparing polyols by transesterification and thiolation

By: Cramail, Henri; Boyer, Aurelie; Cloutet, Eric; Alfos, Carine World Intellectual Property Organization, WO2011045536 A1 2011-04-21 | Language: French, Database: CAPlus View Reference Detail

Abstract: The present invention relates to a method for preparing a polyol having the general formula R¹CH₂C(SA²OH)A¹COA²Y [R¹ = (linear or branched)alkyl having 14 carbons; A¹ = (linear or branched)alkylene having 2 to 14 carbons; A² = OA⁴O, A⁴ = (linear or branched)alkylene having 1 to 10 carbons; A³ = (linear or branched) alkylene having 1 to 10 carbons] using

1. 點擊 **Sort** 右側小箭頭，對結果按照引用次數，公開年份等重新進行排序
2. 點擊 **View** 右側小箭頭，選擇結果展示的詳略
3. 全面的文獻結果篩選選項
4. 通過PDF, rtf, ris, txt等格式下載檢索結果
5. 通過電子郵件分享檢索結果
6. 保存檢索結果，並可同時設定資訊更新提醒
7. 查看文獻詳情
8. 獲取全文連結
9. 獲取文獻中的物質
10. 獲取文獻中的反應
11. 獲取被引用文獻
12. 引文地圖，獲取引用及被引用文獻
13. 回到首頁介面

The screenshot shows a 'Reference Detail' page for a scientific article. The page is annotated with eight numbered callouts (1-8) pointing to specific features:

- 1:** 'Return to Results' link at the top left.
- 2:** 'Source' information in the left sidebar, including journal name, volume, issue, pages, and DOI.
- 3:** Navigation buttons at the top: 'Substances (10)', 'Reactions (8)', 'Cited By (14)', and 'Citation Map'.
- 4:** 'Previous' and 'Next' navigation arrows at the top right.
- 5:** 'Full Text' button below the abstract.
- 6:** 'Concepts' dropdown menu in the middle section.
- 7:** 'Company/Organization' information in the left sidebar, including department and location.
- 8:** 'Citations (37)' section in the middle, listing several references.

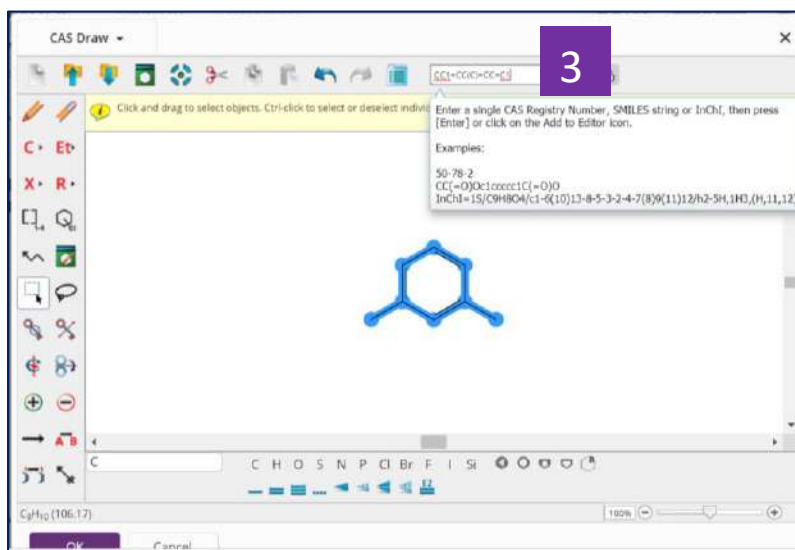
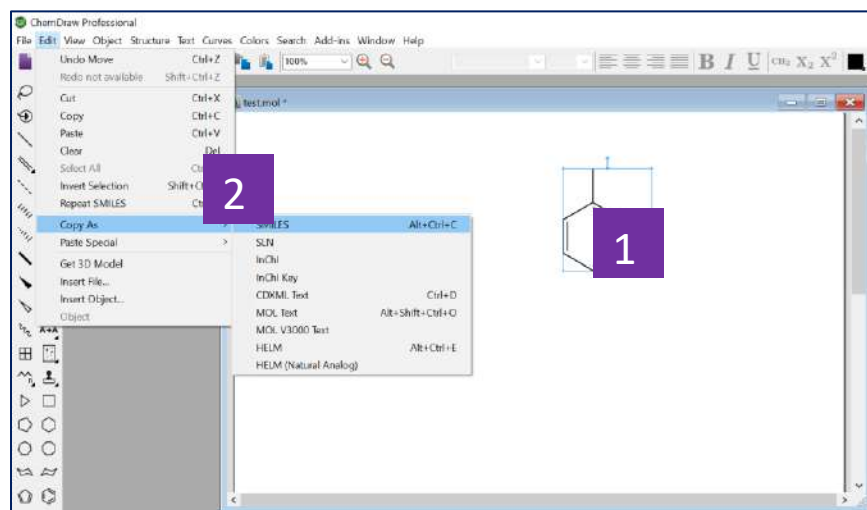
The main article title is 'Synthesis, Surface and Thermodynamic Properties of Substituted Polytriethanolamine Nonionic Surfactants'. The abstract describes the synthesis and characterization of three series of nonionic surfactants derived from polytriethanolamine.

1. 返回至文獻結果集介面
2. 文獻書目資訊
3. 文獻相關資訊：物質、反應、引文
4. 點擊左右箭頭，查看上一篇或下一篇文獻詳情
5. 全文連結
6. 概念詞語
7. 文獻中報導的物質
8. 引文信息

SciFinderⁿ 使用技巧 | 與 ChemDraw 聯用

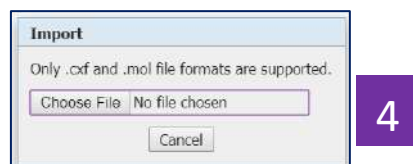
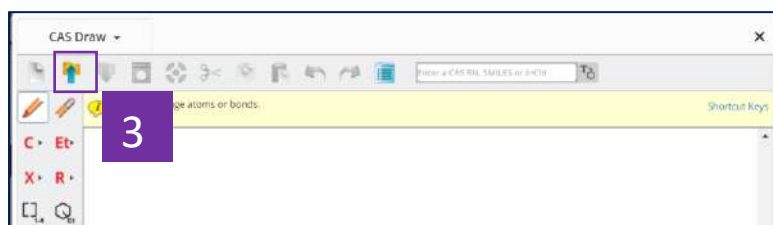
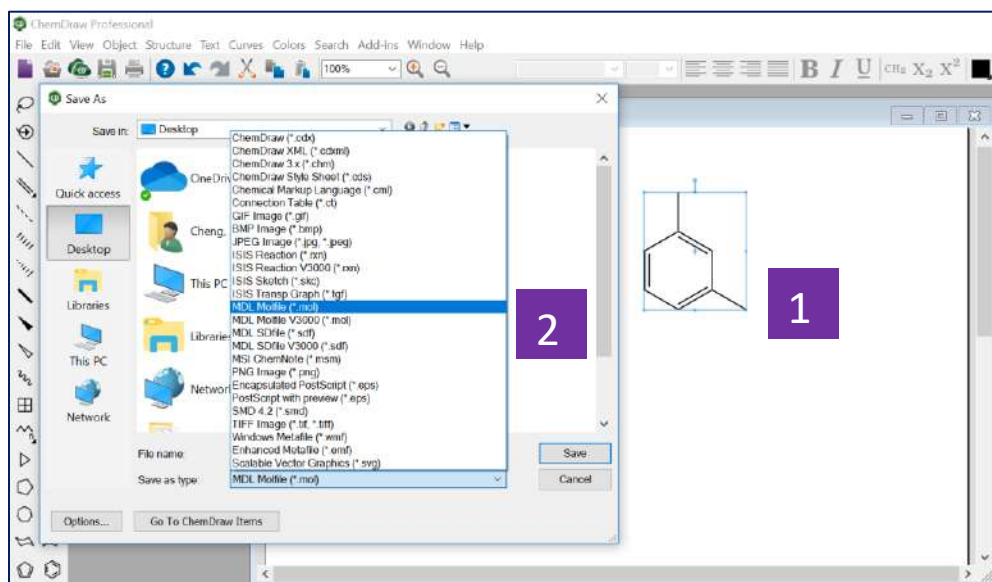
可通過以下三種方式利用 ChemDraw 所繪製的結構在 SciFinderⁿ 中進行檢索。

一. 利用在 ChemDraw 中獲得的物質 SMILES、InChI，將結構導入到 SciFinderⁿ 的結構編輯器中



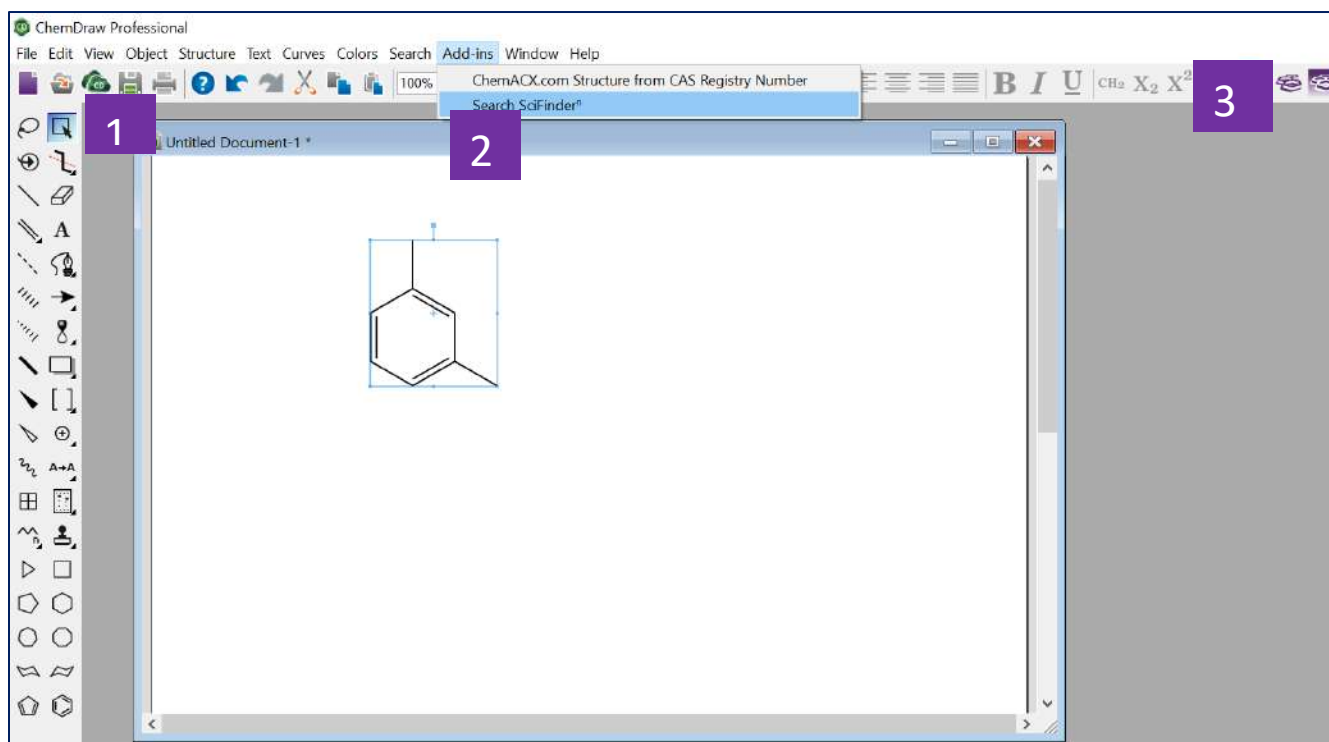
1. 在 ChemDraw 中繪製好結構，並選中
2. 點擊上方功能表 Edit，選擇 Copy As, 然後再選擇 SMILES 或 InChI
3. 在此粘貼在 ChemDraw 中獲得的 SMILES 或 InChI，將結構導入到 SciFinderⁿ 的結構編輯器中。

二. 將 ChemDraw 中繪製的結構保存為.mol 格式檔，然後再導入到 SciFinderⁿ 的結構編輯器中



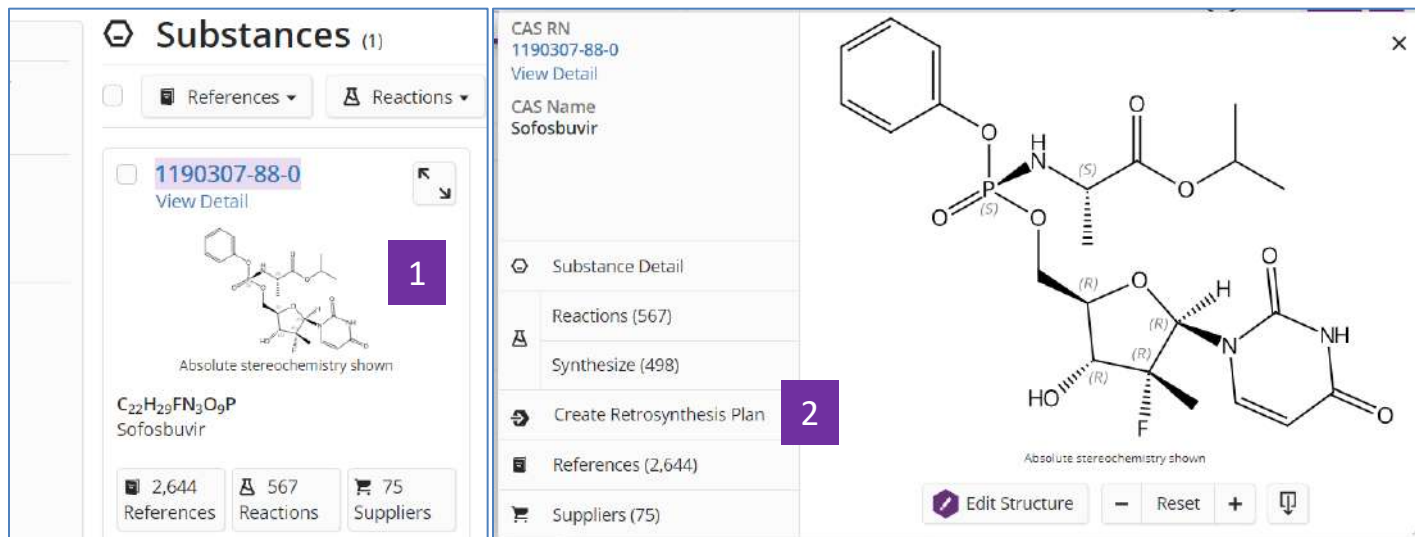
1. 在 ChemDraw 中繪製好結構，並選中
2. 點擊上方功能表 File，選擇 Save As, 將其保存為 MDL Molfile(*.mol)格式的檔
3. 導入結構
4. 根據保存的路徑，導入.mol 格式的檔

三. 直接在 ChemDraw 18.2 以上版本中，點擊 Search SciFinder[®] 或點擊右上角的 SciFinder[®] 標識圖示在 SciFinder[®] 中進行檢索



1. 在 ChemDraw 18.2 以上的版本中繪製結構，並選中該結構
2. 點擊上方功能表中的 Add-ins，並選中 Search SciFinder[®]，開始在 SciFinder[®] 中進行檢索
3. 也可以直接點擊右上角 SciFinder[®] 的標識圖，開始在 SciFinder[®] 中進行檢索

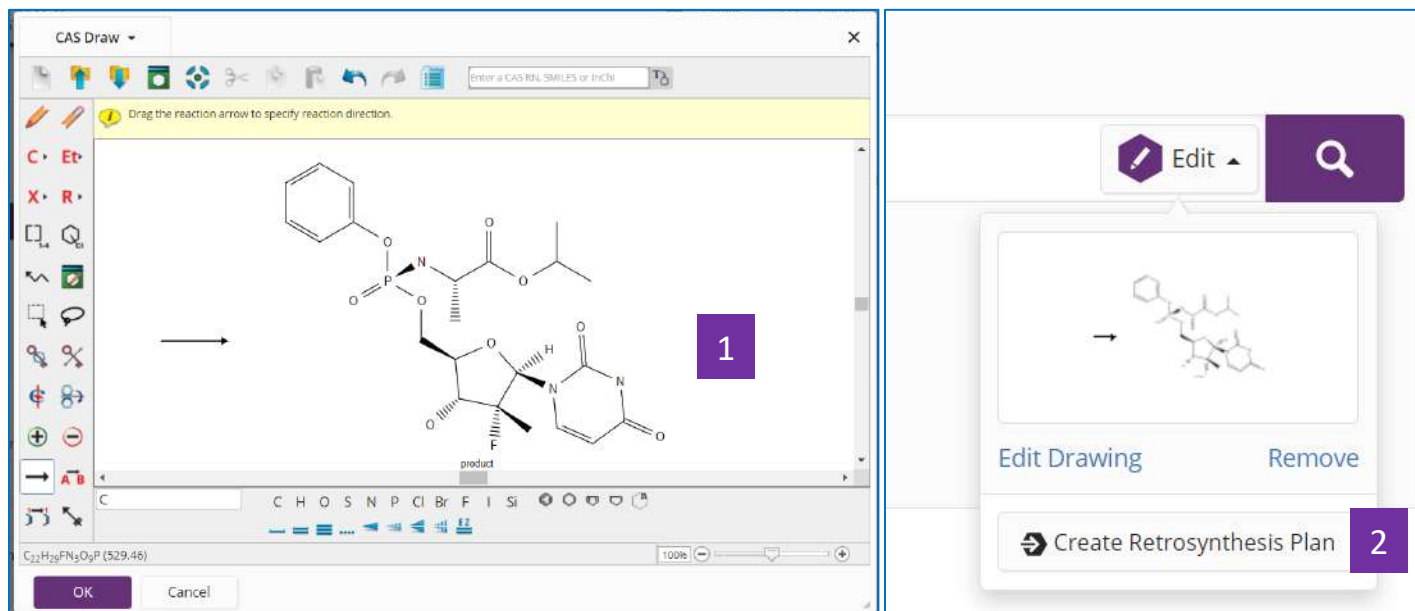
SciFinder[®] 使用技巧 | 逆合成路線的獲取——Retrosynthesis 的使用



1

2

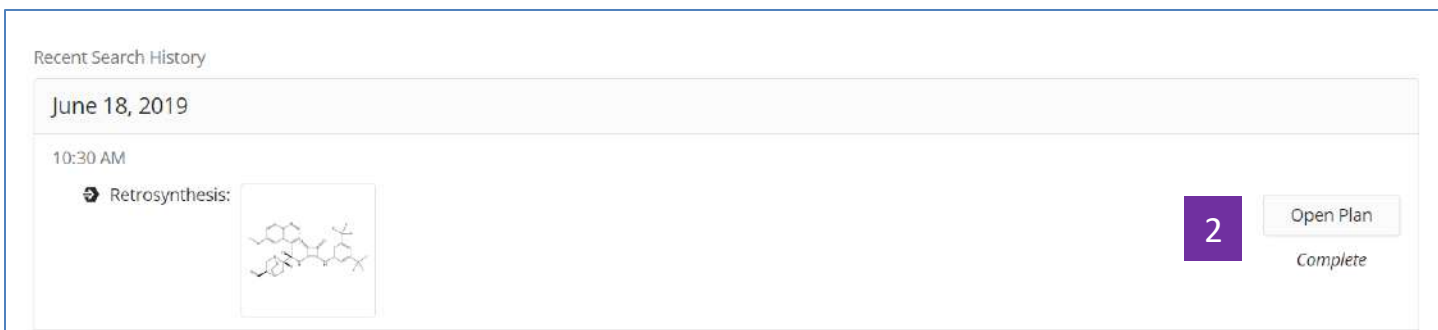
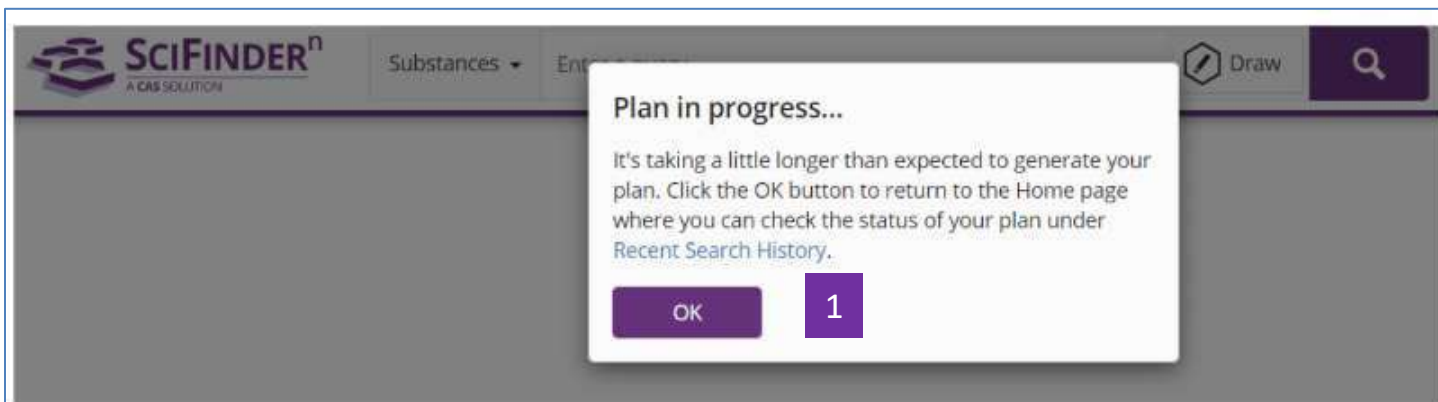
1. 在SciFinder[®]中找到所需合成物質後，點擊物質結構
2. 在快顯視窗中點擊：**Create Retrosynthesis Plan**



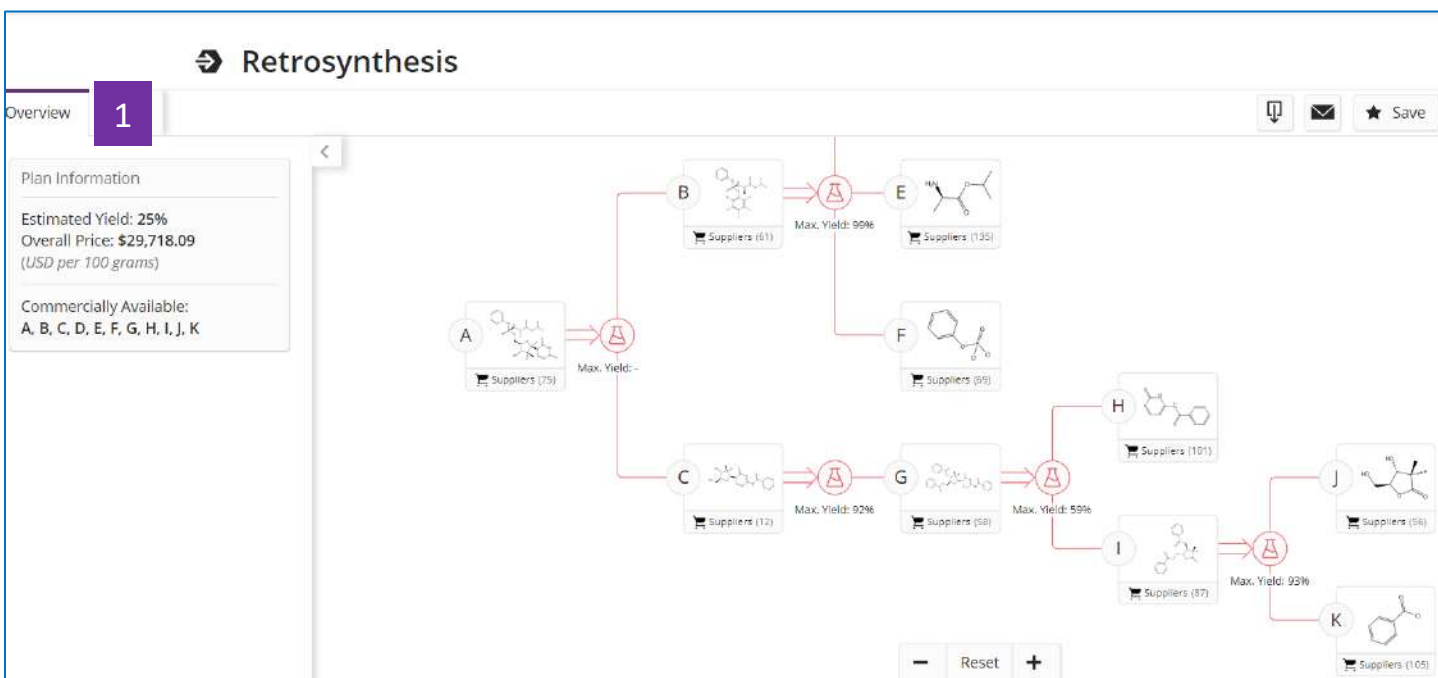
1

2

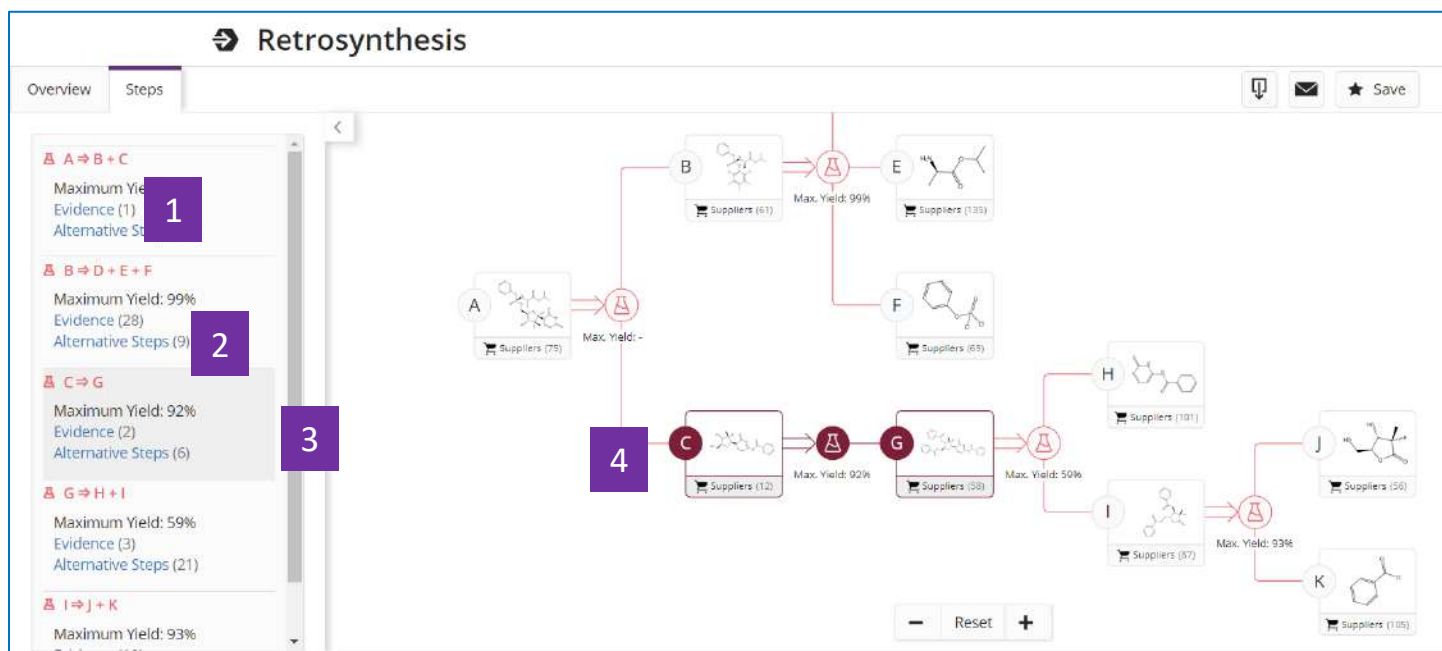
3. 在結構編輯器中繪製所需合成結構
4. 點擊：**Create Retrosynthesis Plan**



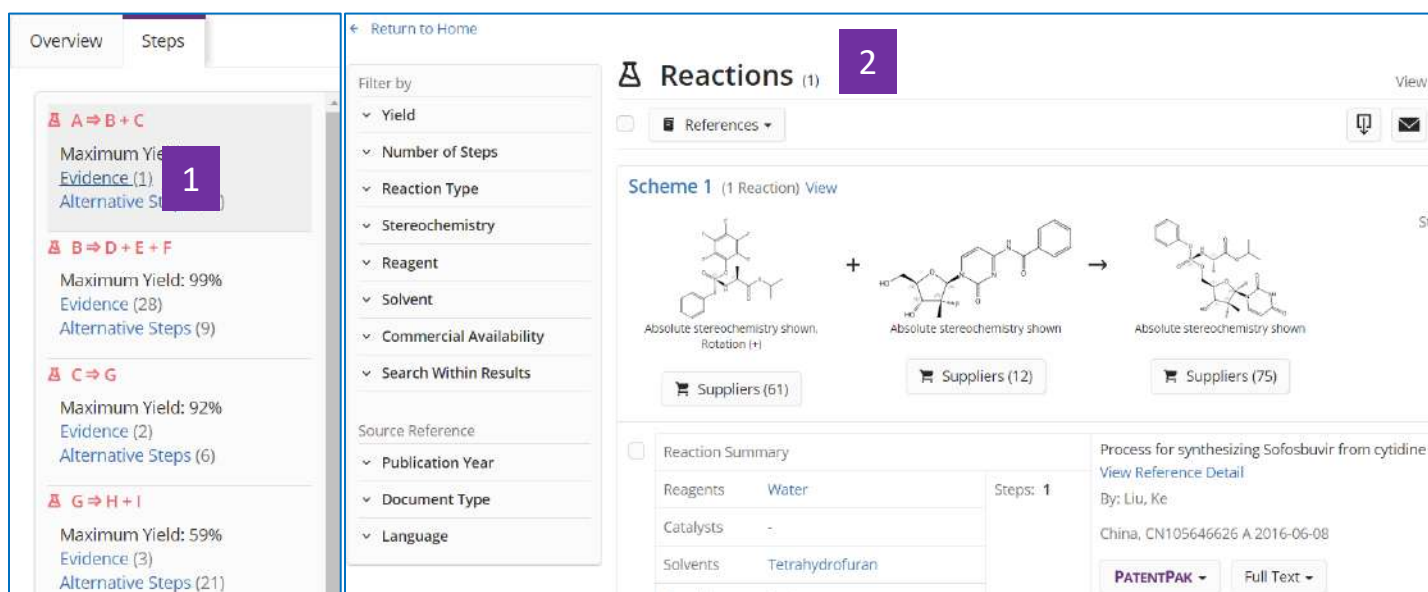
1. 如果出現這種提示，點擊OK
2. 稍後點擊Recent Search History中的Open Plan



1. Overview顯示完整逆合成路線，預估產率和成本



1. 精確匹配反應物和產物結構的反應，點擊即獲得反應資訊詳情
2. 可替代步驟
3. 當滑鼠移到某一步驟時
4. 右側路線圖中該反應的反應物和產物標識轉為反亮



1. 點擊Evidence
2. 查看反應資訊詳情

Overview Steps

A → B + C
 Maximum Yield: -
 Evidence (1)
 Alternative Steps (51) **1**

B → D + E + F
 Maximum Yield: 99%
 Evidence (28)
 Alternative Steps (9)

C → G
 Maximum Yield: 92%
 Evidence (2)
 Alternative Steps (6)

G → H + I
 Maximum Yield: 59%
 Evidence (3)
 Alternative Steps (21)

Alternative Steps (51)

2 Select Evidence (2) Maximum Yield: -

3 of 51

Select Evidence (8) Maximum Yield: 88%

Retrosynthesis

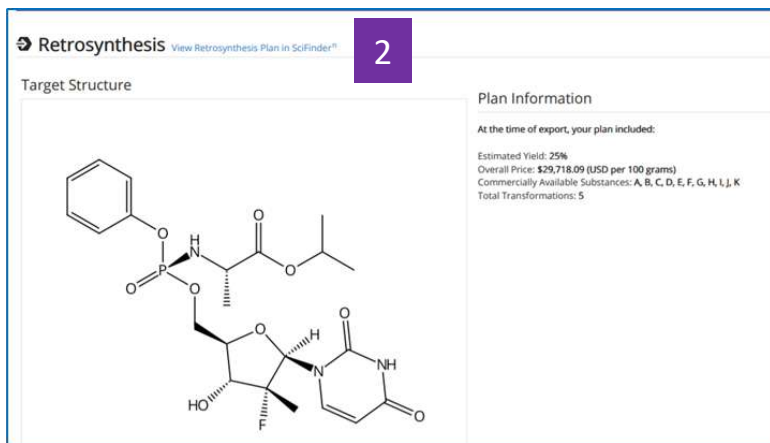
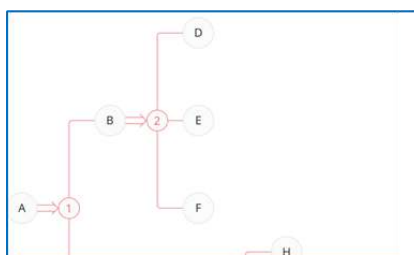
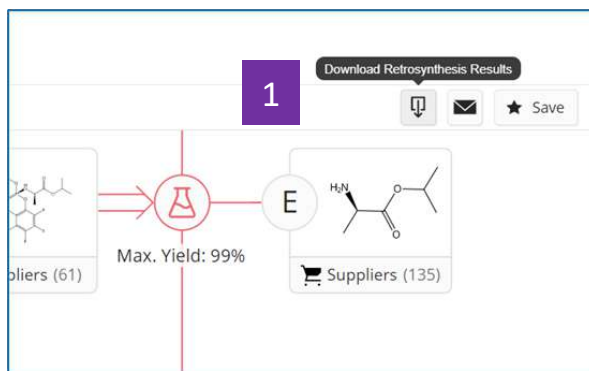
Overview Steps

Plan Information

Estimated Yield: 38%
 Overall Price: \$19,855.91
 (USD per 100 grams) **3**

Commercially Available:
 A, B, C, D, E, F, G, H, I, J, K

1. 點擊Alternative Steps,查看其他可能的路線
2. 點擊Select, 結果將更換成新路線
3. 自動生成新路線



Steps

#	Step	Yield	Evidence	Alternative Steps	Commercially Available
1	A → B + C	Max.: -	1	51	A, B, C
2	B → D + E + F	Max.: 99%	28	9	B, D, E, F
3	C → G	Max.: 92%	2	6	C, G
4	G → H + I	Max.: 59%	3	21	G, H, I
5	I → J + K	Max.: 93%	19	13	I, J, K

1. 將路線結果匯出為pdf格式檔，查看反應路線及反應資訊
2. 點擊: [View Retrosynthesis Plan in SciFinder[®]](#) 線上查看路線詳情

SciFinderⁿ 使用技巧 | 合成實驗詳情的獲取

The screenshot displays the SciFinderⁿ interface. On the left, the 'Filter by' section includes 'Experimental Protocols' with 'MethodsNow: Synthesis (273)' selected. A purple box with the number '1' is placed over this selection. The main area shows 'Scheme 1 (1 Reaction) View' with a chemical reaction scheme. Below the scheme is a 'Reaction Summary' table. A purple box with the number '2' is placed over the 'Experimental Protocols' link in the table. The table contains the following information:

Reaction Summary	
Reagents	Cesium carbonate
Catalysts	-
Solvents	Acetonitrile Water
Conditions	rt, 10 h, 80 °C
Steps	1
Yield	72%

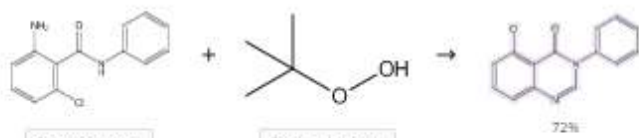
Additional information on the right side of the reaction summary includes: 'TBHP as Methyl Source under Metal-Free Aerobic Conditions To Synthesize Quinazolin-4(3H)-ones and Quinazolines by Oxidative Amination of C(sp³)-H Bond', 'View Reference Detail', 'By: Mukhopadhyay, Sushobhan; et al', and 'European Journal of Organic Chemistry (2018), 2018(22), 2784-2794'. A 'Full Text' dropdown menu is also visible.

1. 在反應結果集中選擇 Experimental Protocols 中的 MethodsNow: Synthesis
2. 點擊 Experimental Protocols 獲取增值標引的實驗詳情

Reaction Detail (Scheme 1, Reaction 1 of 1)

Prev Next

7



Suppliers (7)

Suppliers (56)

72%

Step: 1

Yield: 72%

Step 1

↳ Add another step...

Stage	Reagents	Catalysts	Solvents	Conditions
1	Cesium carbonate	-	Acetonitrile Water	rt; 10 h, 80 °C

CAS Reaction Number: Not assigned

Experimental Protocols

MethodsNow™

3

Products	4(3H)-Quinazolinone, 5-chloro-3-phenyl-, Yield: 72%
Reactants	tert-Butyl hydroperoxide 2-Amino-6-chloro-N-phenylbenzamide
Reagents	Cesium carbonate
Solvents	Acetonitrile Water

Procedure

4

1. Add Cs₂CO₃ (0.74 mmol) and TBHP (70 % aqueous solution, 7.4 mmol) in a round-bottom flask that contained amide (0.2 g, 0.74 mmol) in MeCN (5 mL) at room temperature.
2. Heat the mixture at 80 °C for 10 h under air.
3. Monitor the reaction progress by TLC analysis and remove the solvent under vacuum.
4. Dilute the residue with H₂O (20 mL) and extract the resulting mixture with EtOAc (3 × 20 mL).
5. Dry the combine organic layers with anhydrous Na₂SO₄ and filter.
6. Evaporate the filtrate under reduced pressure to obtain the crude residue.
7. Purify the crude residue by column chromatography over silica gel (hexanes/EtOAc, 7:3 v/v) to obtain the product.

Scale gram

5

Characterization Data

4(3H)-Quinazolinone, 5-chloro-3-phenyl-	
Proton NMR Spectrum	(400 MHz, [D ₆]DMSO): δ = 7.33-7.42 (m, 2 H), 7.60-7.64 (m, 2 H), 7.74-7.78 (m, 3 H), 7.86-7.89 (m, 1 H), 8.00 (s, 1 H) ppm.
Carbon-13 NMR	(100 MHz, [D ₆]DMSO): δ = 124.9, 127.0, 127.7, 128.4, 129.2, 129.3, 132.7, 134.5, 136.9, 145.9, 147.2, 160.4 ppm.
IR Absorption Spectrum	(KBr): ν _{max} = 1680 (CO) cm ⁻¹ .
HRMS	(ESI): calcd. for C ₁₅ H ₉ ClN ₂ O [M+H] ⁺ 257.0482; found 257.0480.
Mass Spectrum	MS (ESI+): - 257.1.
Melting Point	167-169 °C.
R _f	0.61.
State	white solid

6

Reference

TBHP as Methyl Source under Metal-Free Aerobic Conditions To Synthesize Quinazolin-4(3H)-ones and Quinazolines by Oxidative Amination of C(sp²)-H Bond

View Reference Detail

By: Mukhopadhyay, Sushobhan; et al
View All =

European Journal of Organic Chemistry (2018), 2018(22), 2784-2794

Full Text ▶

Company/Organization

Medicinal and Process Chemistry Division
CSIR-Central Drug Research Institute
Lucknow 226031
India

3. 實驗中涉及的所有物質及其在反應中的角色
4. 實驗中涉及的所有實驗步驟
5. 產物的譜圖表徵資訊及屬性特徵
6. 產物的形態
7. 下載、分享或保存實驗詳情

SciFinderⁿ 使用技巧 | 作者名/期刊名/機構名檢索

The screenshot displays the SciFinderⁿ interface. At the top left is the SciFinderⁿ logo with the tagline 'A CAS SOLUTION'. Below the logo is a navigation bar with a link 'Return to Home Page' (marked with a purple square '1') and two buttons: 'Substances' and 'References' (the latter is highlighted in purple). The main content area is titled 'Advanced Reference Search'. Under the 'Author' heading, there is a text input field labeled 'Author Name (Last, First Middle)' (marked with a purple square '2') containing the text 'Nakamura, Eiichi'. Below this field is an example 'Ex: Schubert, J A' and a button labeled 'Add Another Author' (marked with a purple square '3'). At the bottom of the search area, there is a search operator 'AND'.

1. 回到首頁介面
2. 在文字方塊輸入作者名，按照“姓，名（中間名）”的格式輸入，姓需要輸入完整，名可以簡寫為首字母。
3. 可以添加其他作者姓名

Advanced Reference Search

Author

Author Name (Last, First Middle)

Ex: Schubert, J A

— AND —

Journal 1

Journal Name

Volume

Issue

Starting Page

2

Title Word(s)

3

Ex: Antibiotic

— AND —

Organization 4

Organization Name

Ex: Bayer, Dupont

5

Clear All

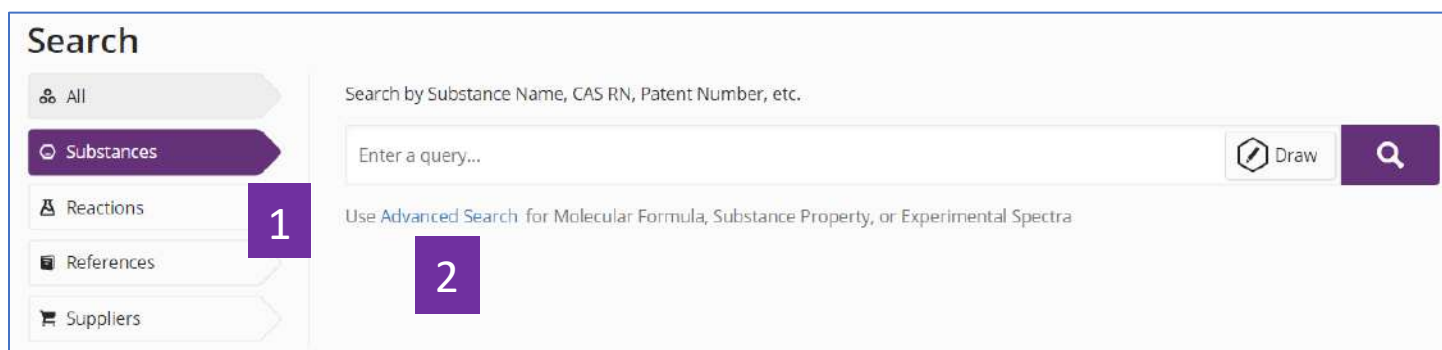
1. 在文字方塊中輸入期刊名稱，推薦輸入完整期刊名稱
2. 若有“卷”，“期”或者“起始頁”資訊，可以在文字方塊中輸入
3. 可以輸入希望在題名中出現的關鍵字

4. (選填) 可以輸入研究機構名稱與期刊名或作者名聯合檢索，也可以直接按照研究機構名稱進行文獻檢索
5. 點擊進行檢索

The screenshot displays a search results interface for chemical references. On the left, there is a sidebar with filters for Document Type, Language, Publication Year (with a histogram from 1975 to 2019), Available at My Institution, Author (listing Nakamura, Eiichi, Matsuo, Yutaka, Nakamura, Masaharu, Ilies, Laurean, and Tsuji, Hayato), Organization, Publication Name (Journal of the American Chemical Society), Concept, Database, and Search Within Results. The main area shows a list of references under the heading 'References (256)'. The first reference is 'Enantioselective synthesis of alpha-substituted ketones by asymmetric addition of chiral zinc enamides to 1-alkenes.' The authors listed are Nakamura, Masaharu; Hatakeyama, Takuji; Hirai, Atsushi; and Nakamura, Eiichi. The journal is 'Journal of the American Chemical Society' (2003), 125(11), 6362-3. The second reference is 'Synthesis, structure, and aromaticity of a hoop-shaped cyclic benzenoid [10]cyclophenacene.' The authors are Nakamura, Eiichi; Tahara, Kazukuni; Matsuo, Yutaka; and Sawamura, Masaya. The journal is 'Journal of the American Chemical Society' (2003), 125(10), 2834-5. The third reference is 'Reaction pathways of the Simmons-Smith reaction.' The authors are Nakamura, Masaharu; Hirai, Atsushi; and Nakamura, Eiichi. The journal is 'Journal of the American Chemical Society' (2003), 125(8), 2341-50. In all three references, the author name 'Nakamura, Eiichi' is highlighted in purple. At the top of the main area, there is a 'References (256)' header with a purple box containing the number '1', and a 'Sort: Relevance' dropdown. Below the header are buttons for 'Substances', 'Reactions', and 'Cited By'. Each reference entry includes a 'Full Text' button and buttons for 'Substances', 'Reactions', 'Cited By', and 'Citation Map'.

1. 查看文獻結果集
2. 輸入的資訊在結果中會被反亮顯示

SciFinderⁿ 使用技巧 | 通過核磁譜圖獲得物質



1. 選擇 Substances
2. 點擊 Advanced Search

← Return to Home Page

Substances

References

Advanced Substance Search

Molecular Formula

Enter one Molecular Formula.

Ex: C6H6
(C8H8)_x
C22H26CuN2O5.C2H3N

Add Another Molecular Formula

— AND —

Substance Property

Select Property

- Select One -

Enter Value

Add Another Property

AND

Experimental Spectra

Select Spectrum

1 Carbon-13 NMR

Enter Value

2 155.02, 127.6 to 129.01

(Search includes allowance of ± 2 ppm)

Example: 152.3, 127.6, 133.1
155.02 to 207.59
187

Add Another Spectra 3

4

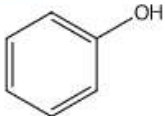
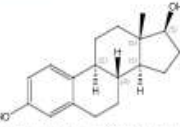
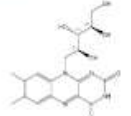
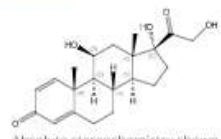
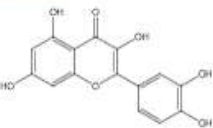
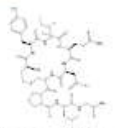
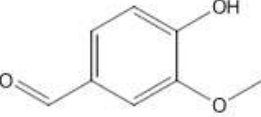
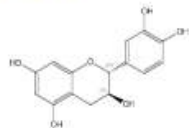
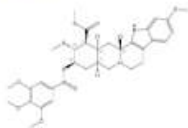
Clear All

1. 選擇具體的核磁譜類型
2. 輸入核磁譜峰值
3. 可繼續添加其他核磁譜值
4. 開始檢索

Substances (11,384) Sort: Relevance View Partial

References Reactions Suppliers

1 **2**

<input type="checkbox"/> 108-95-2 View Detail  C ₆ H ₆ O Phenol <input type="checkbox"/> 198K References <input type="checkbox"/> 76K Reactions <input type="checkbox"/> 199 Suppliers	<input type="checkbox"/> 50-28-2 View Detail  C ₁₈ H ₂₄ O ₂ Estradiol <input type="checkbox"/> 178K References <input type="checkbox"/> 828 Reactions <input type="checkbox"/> 156 Suppliers	<input type="checkbox"/> 83-88-5 View Detail  C ₁₇ H ₂₀ N ₄ O ₆ Riboflavin <input type="checkbox"/> 51K References <input type="checkbox"/> 440 Reactions <input type="checkbox"/> 150 Suppliers
<input type="checkbox"/> 50-24-8 View Detail  C ₂₁ H ₂₈ O ₅ Prednisolone <input type="checkbox"/> 51K References <input type="checkbox"/> 421 Reactions <input type="checkbox"/> 113 Suppliers	<input type="checkbox"/> 117-39-5 View Detail  C ₁₅ H ₁₀ O ₇ Quercetin <input type="checkbox"/> 50K References <input type="checkbox"/> 871 Reactions <input type="checkbox"/> 110 Suppliers	<input type="checkbox"/> 50-56-6 View Detail  C ₄₃ H ₆₆ N ₁₂ O ₁₂ S ₂ Oxytocin Protein/Peptide Sequence Sequence Length: 9 <input type="checkbox"/> 37K References <input type="checkbox"/> 349 Reactions <input type="checkbox"/> 76 Suppliers
<input type="checkbox"/> 121-33-5 View Detail  C ₈ H ₈ O ₃ Vanillin <input type="checkbox"/> 154-23-4 View Detail  C ₁₅ H ₁₄ O ₆ <input type="checkbox"/> 50-55-5 View Detail  C ₃₃ H ₄₆ N ₂ O ₉		

1. 通過實驗譜圖聚類物質
2. 點擊物質 CAS 登記號查看物質詳情

Experimental Spectra **1**

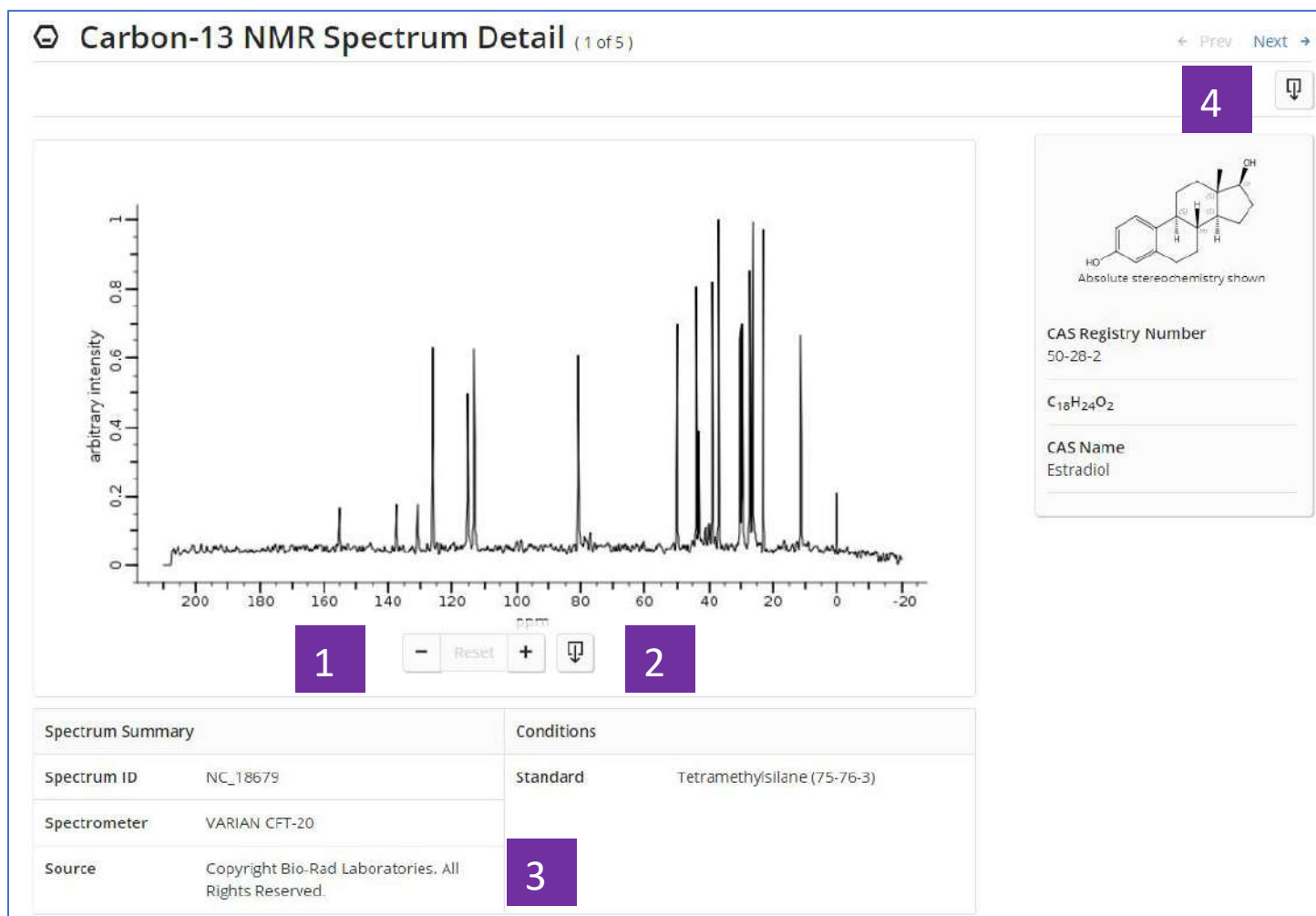
¹ H NMR	¹³ C NMR	Hetero NMR	IR	Mass	UV and Visible	Additional Spectra
						Source
View Carbon-13 NMR Spectrum						(1) BIORAD
View Carbon-13 NMR Spectrum						(2) ACD-A
View Carbon-13 NMR Spectrum						(3) ACD
View Carbon-13 NMR Spectrum						(3) ACD
View Carbon-13 NMR Spectrum						(3) ACD
Carbon-13 NMR Spectrum - 4 Sources						(4-7) CAS

Sources **3**

(1) Copyright Bio-Rad Laboratories. All Rights Reserved.
 (2) Sigma-Aldrich (Spectral data were obtained from Advanced Chemistry Development, Inc.)
 (3) Spectral data were obtained from Advanced Chemistry Development, Inc.
 (4) Wang, Xingbin; Journal of Chemical Research, (2011), 35(5), 291-293, CAplus
 (5) Wang, Bijia; Organic Letters, (2010), 12(15), 3352-3355, CAplus
 (6) Commodari, Fernando; Magnetic Resonance in Chemistry, (2005), 43(6), 444-450, CAplus
 (7) Boovannahalli, Shanthaveerappa K.; Journal of Organic Chemistry, (2004), 69(10), 3340-3344, CAplus

Predicted Properties
 Predicted Spectra

1. 物質詳情中的實驗譜圖
2. 點擊超連結，查看核磁譜圖
3. 譜圖資訊的文獻來源



1. 縮放譜圖
2. 下載譜圖圖片
3. 譜圖概覽：測試儀器、條件、來源等
4. 下載譜圖詳情

SciFinderⁿ 使用技巧 | 通過生物活性、靶點篩選物質

The screenshot shows the SciFinder search results page. On the left, there are two filter sections:

- Bioactivity Indicator (1):** A list of categories with checkboxes. 'Anti-infective agents (13K)' is selected.
- Target Indicator (2):** A list of categories with checkboxes. 'Enzymes (13K)' is selected.

The main results area shows six chemical entries:

- 143491-57-0 (3):** Emtricitabine. Structure shown with absolute stereochemistry. CAS: 143491-57-0. Formula: $C_8H_{10}FN_3O_3S$. 4,133 References, 220 Reactions, 103 Suppliers.
- 518048-05-0:** Raltegravir. Structure shown. CAS: 518048-05-0. Formula: $C_{20}H_{21}FN_6O_5$. 1,813 References, 446 Reactions, 76 Suppliers.
- 500287-72-9:** Rilpivirine. Structure shown with double bond geometry. CAS: 500287-72-9. Formula: $C_{22}H_{18}N_6$. 1,196 References, 240 Reactions, 74 Suppliers.
- 202138-50-9:** Tenofovir disoproxil fumarate. Structure shown with absolute stereochemistry and double bond geometry. CAS: 202138-50-9. Formula: $C_{19}H_{30}N_5O_{10}P.C_4H_4O_4$. Components: 2.
- 198904-31-3:** Atazanavir. Structure shown with absolute stereochemistry. CAS: 198904-31-3. Formula: $C_{38}H_{52}N_6O_7$.
- 1009119-64-5:** Daclatasvir. Structure shown with absolute stereochemistry. CAS: 1009119-64-5. Formula: $C_{40}H_{50}N_8O_6$.

1. 在物質結果集頁面，點擊 **Bioactivity Indicator**, 根據適應症篩選物質
2. 點擊 **Target Indicator**，根據靶點篩選物質
3. 點擊物質 **CAS** 登記號，獲取物質的生物活性及靶點詳情

Bioactivity Indicator 1 ✕

By Count Alphanumeric

<input checked="" type="checkbox"/> Anti-infective agents (13K)	<input type="checkbox"/> Peptide analogs (1,657)	<input type="checkbox"/> Biopharmaceuticals (66)
<input type="checkbox"/> Pharmaceutical immune agents (6,787)	<input type="checkbox"/> Receptor antagonists (1,620)	<input type="checkbox"/> Radioprotectants (43)
<input checked="" type="checkbox"/> Antitumor agents (5,691)	<input type="checkbox"/> Membrane transport modulators (1,237)	<input type="checkbox"/> Reproductive control agents (38)
<input type="checkbox"/> Nervous system agents (4,700)	<input type="checkbox"/> Receptor agonists (444)	<input type="checkbox"/> Receptor modulators (33)
<input checked="" type="checkbox"/> Anti-inflammatory agents (3,963)	<input type="checkbox"/> Cytotoxic agents (386)	<input type="checkbox"/> Peroxisome proliferators (25)
<input type="checkbox"/> Cytoprotective agents (3,455)	<input type="checkbox"/> Pharmaceutical natural products (371)	<input type="checkbox"/> Pharmaceutical photosensitizers (24)
<input type="checkbox"/> Enzyme inhibitors (3,315)	<input type="checkbox"/> Hormone antagonists (288)	<input type="checkbox"/> Hair growth stimulants (13)
<input type="checkbox"/> Cardiovascular agents (3,021)	<input type="checkbox"/> Antiproliferative agents (278)	<input type="checkbox"/> Ion channel openers (7)
<input type="checkbox"/> Antidiabetic agents (3,004)	<input type="checkbox"/> Lipid-regulating agents (229)	<input type="checkbox"/> Antianemic agents (6)
<input type="checkbox"/> Gastrointestinal agents (2,876)	<input type="checkbox"/> Pharmaceutical adjuvants (198)	<input type="checkbox"/> Antigout agents (5)
<input type="checkbox"/> Hematologic agents (2,851)	<input type="checkbox"/> Neuromuscular agents (142)	<input type="checkbox"/> Cell differentiation inducers (5)
<input type="checkbox"/> Respiratory system agents (2,786)	<input type="checkbox"/> Antiulcer agents (103)	<input type="checkbox"/> Anabolic agents (3)
2 <input type="checkbox"/> Renal agents (2,711)	<input type="checkbox"/> Antiosteoporotic agents (96)	<input type="checkbox"/> Antidotes (3)

Apply Cancel

1. 在點擊 **View All** 獲得的所有適應症資訊後，可根據研究密集程度或適應症字母順序進行排序
2. 選擇感興趣的適應症，然後點擊 **Apply**，即可獲得針對某適應症的物質

^ Bioactivity Indicators

Anti-infective agents (56)

1

Anti-HIV agents (1498)

Antibacterial agents (76)

Antibiotics (87)

Antiviral agents (1050)

Fungicides (62)

Highly active antiretroviral therapy agents (161)

Integrase inhibitors (150)

Virus entry inhibitors (89)

Anti-inflammatory agents (96)

Antitumor agents (193)

Enzyme inhibitors

HIV protease inhibitors (289)

Integrase inhibitors (150)

Non-nucleoside reverse transcriptase inhibitors (485)

Nucleoside reverse transcriptase inhibitors (552)

Nucleotide reverse transcriptase inhibitors (120)

Reverse transcriptase inhibitors (221)

Pharmaceutical immune agents

Immunomodulators (80)

Immunosuppressants (50)

^ Target Indicators

Apoproteins

Apolipoprotein A-I (10)

2

Apoptosis-regulating proteins

Programmed cell death protein 1 (23)

Programmed death-ligand 1 (13)

1. 點擊物質的 **CAS** 登記號，即可獲得物質詳情，在物質詳情頁面，點擊藍色超連結的適應症，即可獲得相應的研究文獻
2. 在物質詳情頁面，點擊藍色超連結的靶點，獲得相應的研究文獻

SciFinderⁿ 使用技巧 | 馬庫什結構檢索

The screenshot shows the SciFinder search interface. On the left, there is a navigation menu with options: All, Substances (highlighted with a purple bar and callout 1), Reactions, References, and Suppliers. The main search area has a header 'Search by Substance Name, CAS RN, Patent Number, etc.' and a search box 'Enter a query...'. Below the search box, there is a note: 'Use Advanced Search for Molecular Formula, Substance Property, or Experimental Spectra'. On the right side, there is a search button with a magnifying glass icon (callout 3) and an 'Edit' button (callout 2). Below the search box, there is a preview of a chemical structure (callout 5) with buttons 'Edit Drawing' (callout 4) and 'Remove' (callout 5). At the bottom right, there is a checkbox 'Search Patent Markush' (callout 6).

1. 選擇 Substances，進行 Markush 結構檢索
2. 點擊 Draw，繪製檢索結構
3. 點擊放大鏡，開始檢索
4. 點擊 Edit Drawing，重新編輯結構
5. 點擊 Remove，去除結構
6. 勾選 Search Patent Markush 進行馬庫什檢索

The screenshot shows the Patent Markush search results interface. On the left, there is a 'Patent Markush Match' section with options: 'As Drawn (1)' (highlighted with a purple bar and callout 1) and 'Substructure (34)'. Below this, there is a 'Filter by' section with 'Patent Office' and 'Japan (1)'. The main area shows a search result for 'JP2003261514' (callout 2) with a 'View Reference Detail' link. Below the patent number, there is a chemical structure (callout 6) with labels 'G4' and 'G23'. To the right of the structure, there is a 'Patent claim 1' section (callout 3) with a 'PATENTPAK' dropdown (callout 4) and a 'Full Text' dropdown (callout 5). Below the structure, there is a note: 'There are no notes to display for this structure.'

1. Markush 結構檢索的匹配程度：As Drawn，Substructure
2. 點擊專利號，獲取專利文獻詳情
3. 該馬庫什結構在專利中出現的位置
4. PatentPak：獲取專利全文、定位專利中的重要物質
5. 專利全文的連結
6. 馬庫什結構詳情

SciFinderⁿ 使用技巧 | 設置 Alert

在 SciFinderⁿ 中，可對以下幾種結果集設置 Alert：

1. Markush 結構檢索結果集
2. 文獻檢索結果集
3. 物質檢索結果集
4. 反應檢索結果集

1.設置 Markush 結構檢索結果集的 Alert


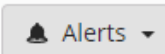
The screenshot displays the 'Patent Markush' search results page. On the left, there is a sidebar with 'Patent Markush Match' options: 'As Drawn (1)' (selected) and 'Substructure (34)'. Below this is a 'Filter by' section for 'Patent Office' with 'Japan (1)' selected. The main content area shows a search result for 'JP2003261514' with a chemical structure and a 'Save Search' dialog box overlaid on the right. The dialog box has the following elements:

- 1**: A 'Save' button in the top right corner of the dialog.
- 2**: A text input field for the search name, containing 'Markush alert'.
- 3**: Radio buttons for alert frequency, with 'Weekly' selected.
- 4**: A 'Save' button at the bottom of the dialog.

1. 在Markush檢索結果集中點擊Save
2. 輸入保存檔的名稱
3. 點擊Weekly或者Monthly設置提醒頻率
4. 點擊Save完成設置

如果在保存結果集的過程中未設置Alert,則可以通過以下方法進行設置。

The screenshot displays the SciFinder web interface. At the top, there is a search bar with the text "Substances" and "Enter a query...". To the right of the search bar are buttons for "Edit", a search icon, a star icon, and a user profile icon. Below the search bar, the main content area is titled "★ Saved (12)". On the left side, there is a "Filter by" section with a "Result Type" dropdown menu. The menu is expanded, showing options: "Patent Markush (1)", "References (14)", "Retrosynthesis (5)", and "Substances (1)". Below the filter section, there are two buttons: "Combine Saved Results" and "Migrate Alerts & Saved Results". The main content area shows a search result for "Markush alert" dated "September 6, 2019, 2:32 PM". The result is categorized as "Patent Markush" and "As Drawn". A chemical structure is displayed next to the result. To the right of the structure is a "Rerun Search" button. Below the result, there is an "Alerts" dropdown menu with a bell icon, and a "Frequency" dropdown menu with options "No Alerts", "Weekly", and "Daily". A "Rerun Search" button is also present at the bottom right of the result card. Three purple callout boxes with numbers 1, 2, and 3 are overlaid on the interface to indicate the steps described in the text below.

1. 點擊 ，查看保存結果集
2. 點擊 ，進行設置
3. 設置發送頻率

2. 設置文獻檢索結果集的Alert

References (1,080) Sort: Relevance View: Partial Abstract

Substances Reactions Cited By Save

Immunological reagents targeting programmed cell death 1 protein
By: Pantaleo, Giuseppe; Fenwick, Craig
World Intellectual Property Organization, WO2017125815 A2 2017-07-27 | Language: English, Database: CPlus
View Reference Detail

Abstract: The authors disclose the preparation and characterization of monoclonal antibodies with specificity for human programmed cell death 1 (PD-1). In the examples, antibodies were identified that bound an epitope on PD-1 that is linked with a previously unidentified functional activity of PD-1 that is distinct from the interaction site involved with either the PD-L1 or PD-L2 ligands. Furthermore, antibodies that interact with this region of PD-1 were able to act as antagonists of PD-1 and that this antagonism was further enhanced with the addition of antibodies that act through the blockade of the ...

View More

PATENTPAK Full Text Substances (238) Reactions (0) Cited By (0) Citation Map

Methods for treatment of cancer with inhibitors of programmed cell death protein 1 (PD-1) pathway
By: Cantwell, Mark J.
World Intellectual Property Organization, WO2017079297 A1 2017-05-11 | Language: English, Database: CPlus
View Reference Detail

1. 根據需求，對文獻結果集進行篩選。
2. 點擊Save，保存文獻。
3. 點擊★，查看保存結果集。

PD-1

September 6, 2019, 4:07 PM

Programmed cell death protein 1

References + Filters

Alerts Add Tags

Frequency No Alerts Weekly Monthly

1. 點擊 Alerts，設置Alert
2. 選擇發送頻率

3. 設置物質檢索結果集的Alert

The screenshot shows the SciFinder interface with a search results page for 'Substances (108)'. A 'Save Search' dialog box is open, allowing the user to save the current search. The dialog box contains the following elements:

- Name:** A text input field containing 'ORP = |1.15'.
- Frequency:** Three radio buttons labeled 'No Alerts', 'Weekly', and 'Monthly'. The 'Weekly' option is selected.
- Tags (optional):** A text input field containing 'No tags defined'.
- New Tag (optional):** A text input field.
- Save:** A purple button at the bottom of the dialog box.

Four numbered callouts (1, 2, 3, 4) are placed over the interface to indicate the steps for setting up the alert:

1. 在物質檢索結果集中點擊Save
2. 在快顯視窗中輸入保存名稱
3. 點擊Weekly或者Monthly設置提醒頻率
4. 點擊Save完成設置

1. 在物質檢索結果集中點擊Save
2. 在快顯視窗中輸入保存名稱
3. 點擊Weekly或者Monthly設置提醒頻率
4. 點擊Save完成設置

如果保存過程中未設置Alert, 則可以打開已保存的結果集清單, 選擇需要設置的結果集, 再進行設置

★ Saved (23)

ORP = 1.15

September 6, 2019, 4:38 PM

PM

Rerun Search

Advanced Search

Substances

Property: Optical Rotatory Power (degrees): 1.15

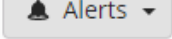
Alerts **1**

Add Tags

Frequency **2**

No Alerts **Weekly** Monthly

Rerun Search

1. 然後點擊  , 進行設置
2. 選擇發送頻率

4. 設置反應檢索結果集的Alert

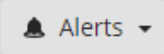
The screenshot shows the SciFinder interface with the 'Reactions' search results page. The 'Save Search' dialog box is open, and the following steps are highlighted with numbered callouts:

1. 在反應檢索結果集中點擊Save
2. 在快顯視窗中輸入保存名稱
3. 點擊Weekly或者Monthly設置提醒頻率
4. 點擊Save完成設置

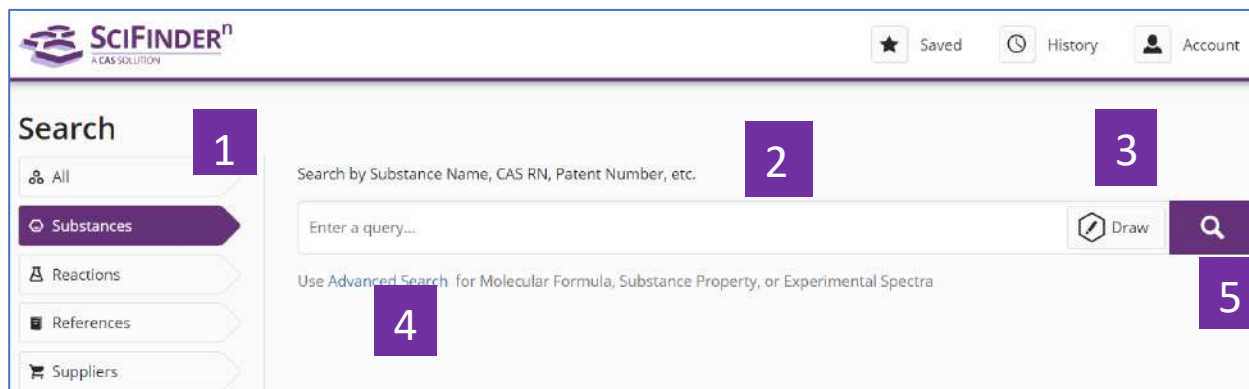
1. 在反應檢索結果集中點擊Save
2. 在快顯視窗中輸入保存名稱
3. 點擊Weekly或者Monthly設置提醒頻率
4. 點擊Save完成設置

如果保存過程中未設置Alert, 則可以打開已保存的結果集清單, 選擇需要設置的結果集, 再進行設置

The screenshot shows a 'Saved' list with two items. The first item, 'ArCN', includes a timestamp, 'As Drawn' status, a chemical reaction diagram, and a 'Rerun Search' button. Below the reaction is an 'Alerts' dropdown menu with a purple '1' next to it, and an 'Add Tags' dropdown. The second item, 'Frequency', has a dropdown menu with 'No Alerts', 'Weekly' (highlighted with a purple '2'), and 'Monthly' options, and a 'Rerun Search' button.

1. 點擊  , 進行設置
2. 設置發送頻率

SciFinderⁿ 使用技巧 | 獲取物質資訊



1. 選擇 **Substances**，進行物質檢索
2. 輸入檢索文本：物質名稱、**CAS** 登記號、專利號等
3. 點擊 **Draw**，繪製結構
4. 點擊 **Advanced Search**，進行分子式、物質屬性和實驗譜圖等檢索
5. 點擊搜索圖示，開始檢索

The screenshot displays the SciFinder search results for Morphine. The interface is annotated with purple boxes and numbers 1 through 10, highlighting key features:

- 1:** Structure Match filters: As Drawn (8), Substructure (30K), Similarity (32K).
- 2:** Analyze Structure Precision button.
- 3:** Filter by section.
- 4:** Search bar.
- 5:** Search icon.
- 6:** Experimental Properties | Spectra link.
- 7:** Condition column header.
- 8:** View Detail button.
- 9:** Reaction Role filter.
- 10:** Key Physical Properties table.

Key Physical Properties	Value	Condition
Molecular Weight	227.34	-
Melting Point (Experimental)	<25 °C	-
Boiling Point (Experimental)	115 °C	-
Density (Predicted)	1.09±0.1 g/cm ³	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	10.11±0.20	Most Basic Temp: 25 °C


1. 結構匹配程度：As Drawn 精確結構，Substructure 衍生結構，Similarity 相似結構
2. 點擊 Analyze Structure Precision，對精確結構和衍生結構的檢索結果進行更細化的結構分類
3. 物質結果的聚類分析：商業上可獲得性、反應角色、文獻角色、立體化學、組份數、物質類型、同位素、金屬、分子量、實驗屬性、實驗譜圖、管控資訊、生物活性、靶點、二次篩選

4. 相關的文獻、反應和供應商
5. 重新排序
6. 選擇是否展示物質的物理屬性資訊
7. 下載、郵件、保存並設置提醒
8. 點擊 **CAS** 登記號，查看物質詳情
9. 此物質相關的文獻、反應和供應商
10. 此物質的物理屬性資訊

Substance Detail (1 of 30,974) 1 Prev Next →

References (397) Reactions (0) Suppliers (3) 2 ↓ ✉ ★ Save

CAS Registry Number
468-10-0 3



Absolute stereochemistry shown

$C_{16}H_{21}N$
Morphinan

Key Physical Properties	Value	Condition
Molecular Weight	227.34	-
Melting Point (Experimental)	<25 °C	-
Boiling Point (Experimental)	115 °C	-
Density (Predicted)	1.09±0.1 g/cm ³	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	10.11±0.20	Most Basic Temp: 25 °C

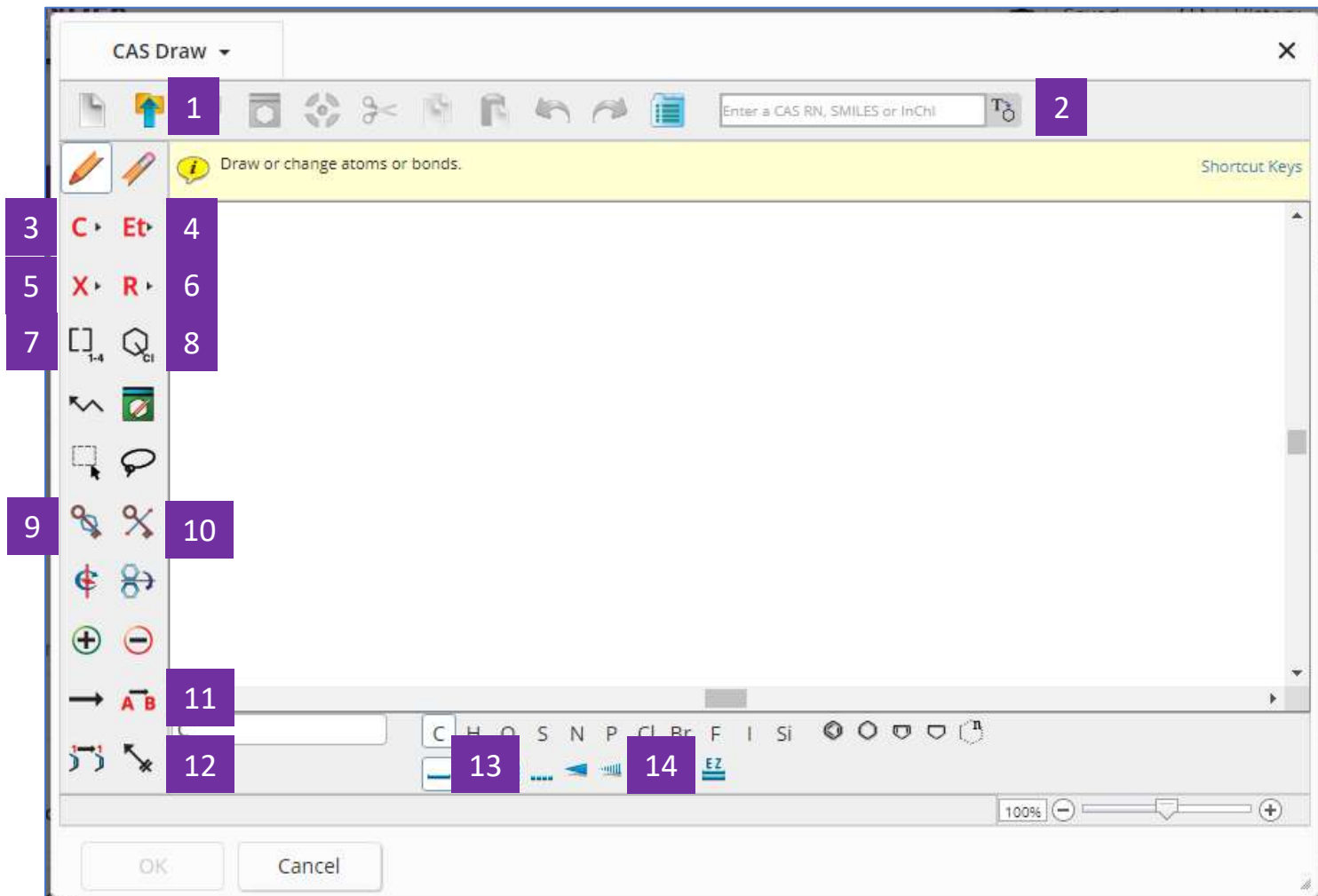
Experimental Properties | Spectra





Expand All | Collapse All

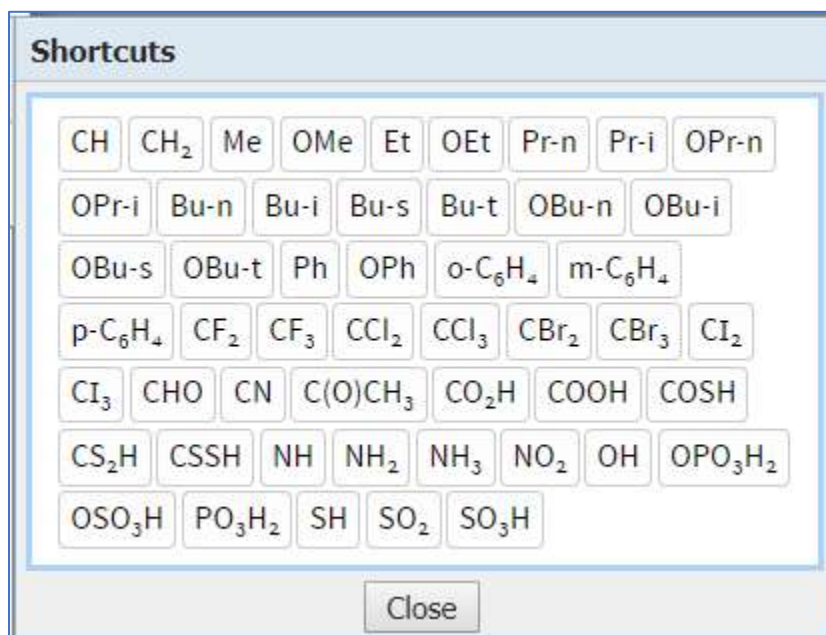
- ✓ Other Names 5
- ✓ Experimental Properties 5
- ✓ Experimental Spectra
- ✓ Predicted Properties
- ✓ Predicted Spectra
- ✓ Regulatory Information
- ✓ Additional Details

1. 點擊左右箭頭，查看前一個或後一個物質詳情
2. 此物質相關的文獻、反應和供應商
3. 下載、分享及保存物質詳情
4. 物質的物理屬性資訊
5. 物質名稱、實驗屬性、實驗譜圖、預測屬性、預測譜圖、管控資訊及其他補充細節

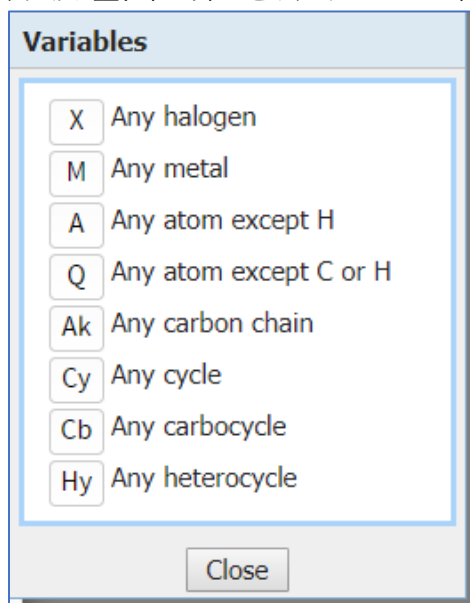
SciFinderⁿ 使用技巧 | 結構編輯器



1.  導入.cxf或者.mol格式檔。
2. , 可以直接輸入物質的CAS登記號、SMILES或者InChI 直接轉化為結構。
3.  為元素週期表。
4.  為常用官能團列表。



5. **X'** 選擇可變基團，包括：**X**: 任意鹵素；**M**: 任意金屬；**A**: 除氫外的任意原子；**Q**: 除碳/氫外的任意原子；**Ak**: 任意碳鏈；**Cy**: 任意環；**Cb**: 任意碳環；**Hy**: 任意雜環。



6. **R'** 定義R基團，可以設置R為 **C'**，**Et'** 或者 **X'** 的任意組合。

R-group Definitions

R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

R1 =

▼ Atoms

H																			He
Li	Be									B	C	N	O	F					Ne
Na	Mg									Al	Si	P	S	Cl					Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br			Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I			Xe
Cs	Ba		Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At			Rn
Fr	Ra																		
* Lanthanides		La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu			
** Actinides		Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr			

► Variables

► Shortcuts

7.   重複原子或者基團。

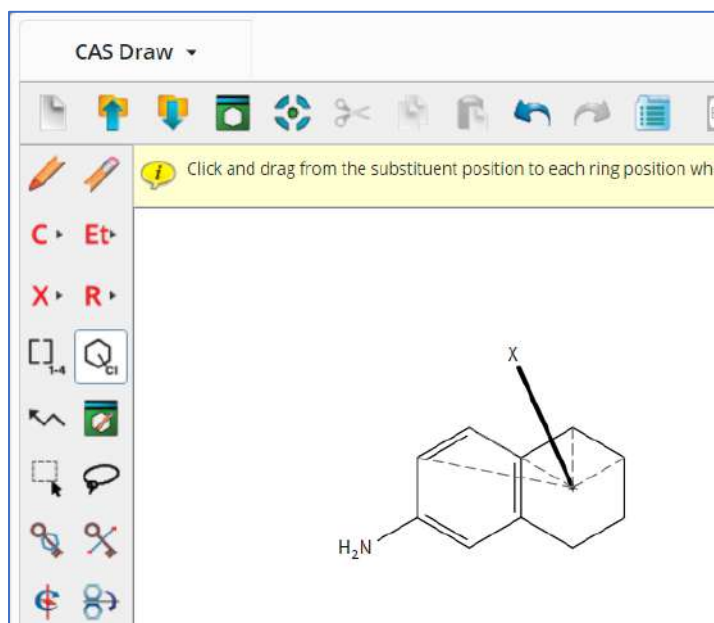
CAS Draw


Enter a CAS RN, SMILES or InChI

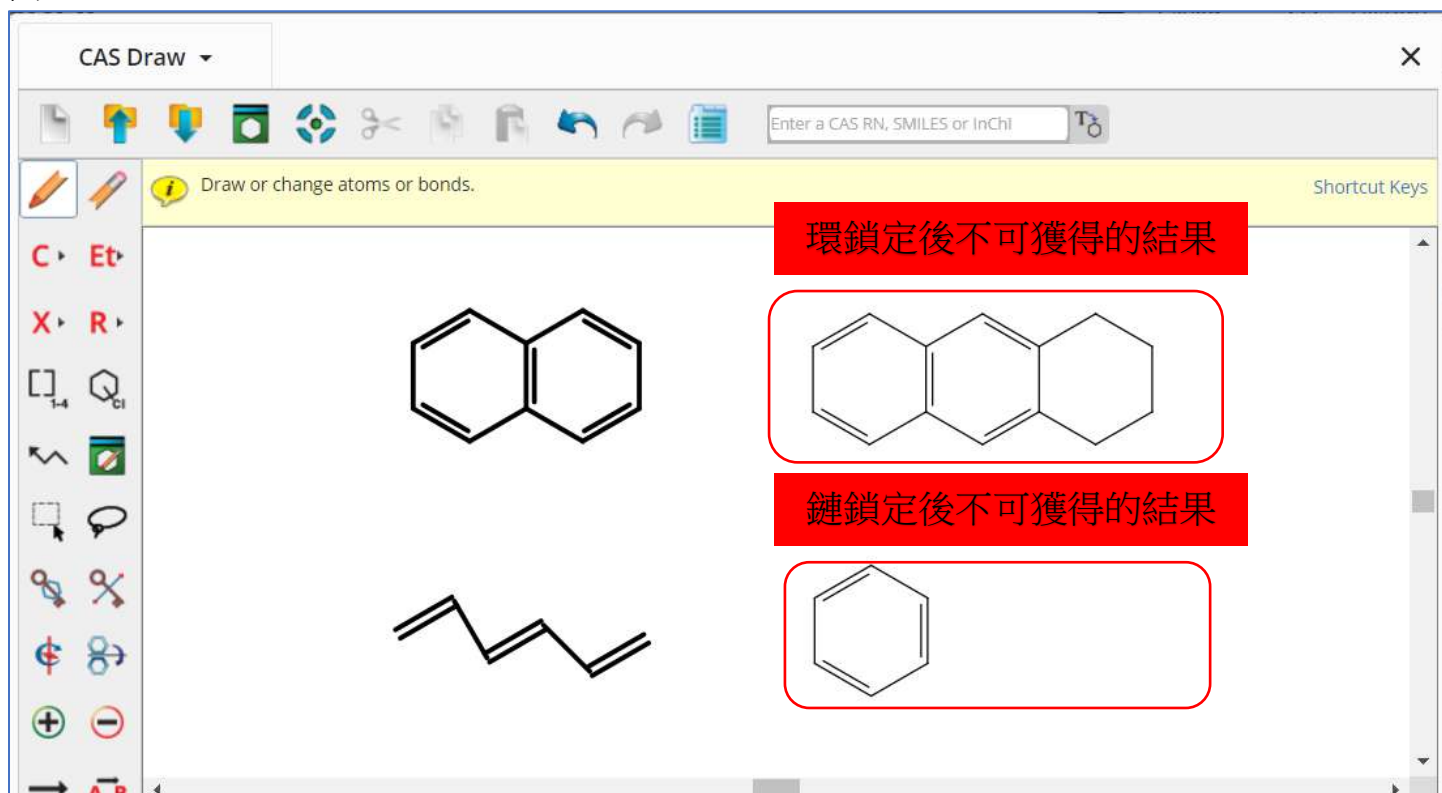
Click to select an atom to be repeated or drag to select a group to be repeated. Enter the number of repetitions. From 1 To 4 Apply




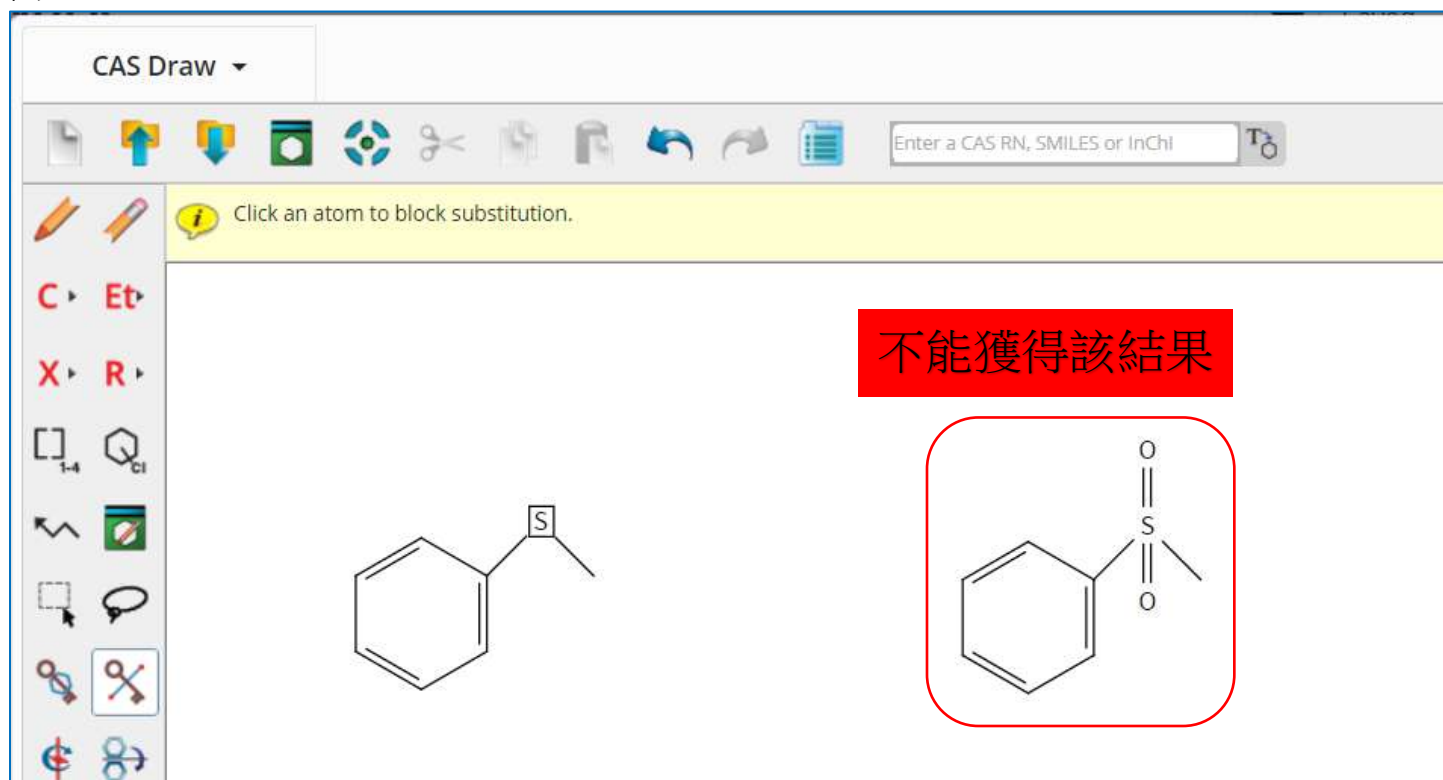
8.  環上的取代位點不固定。





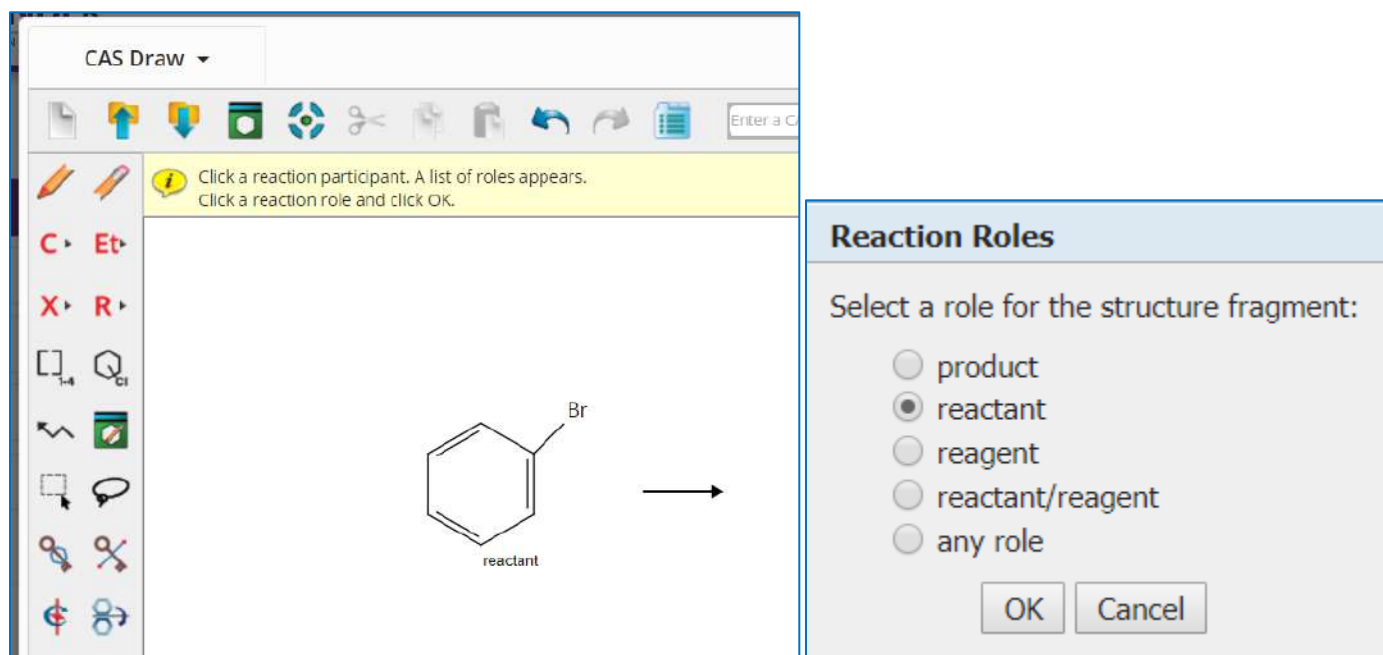
9.  環鎖定。當用該功能鎖定某個環（系），表示該環（系）不能成為更大環系的一部分；如果用該功能鎖定某個鏈，則表示該鏈不能成為某個環（系）的一部分。
例：





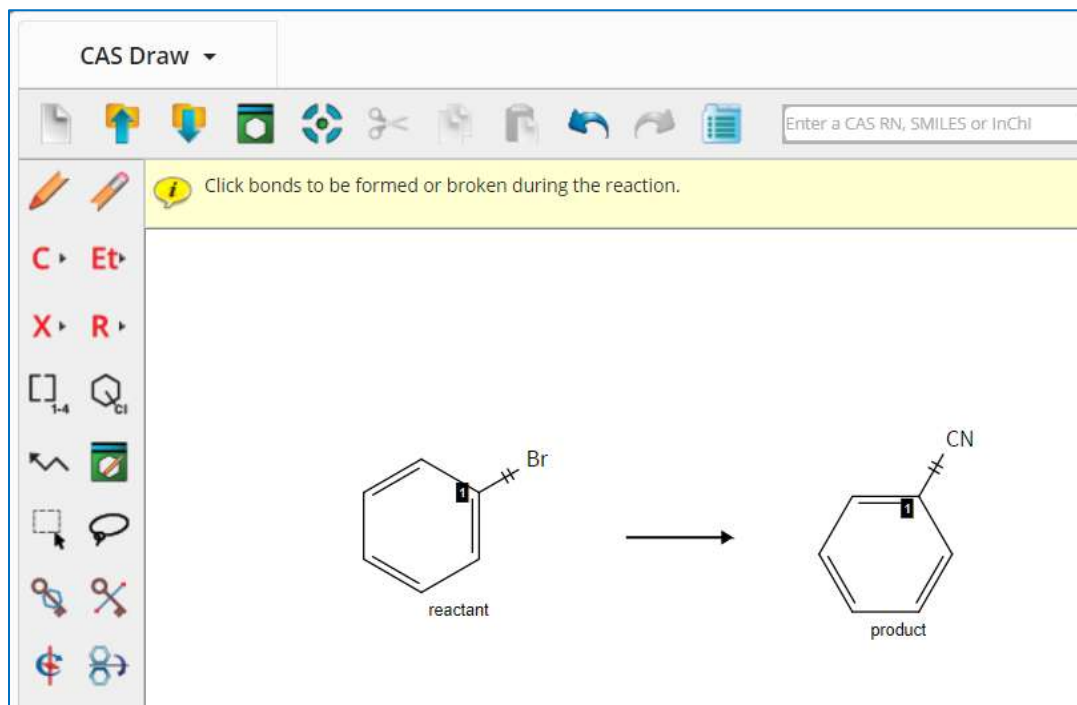
10.  鎖定原子。若某原子被鎖定，則表明該原子只能連接氫原子。
例：



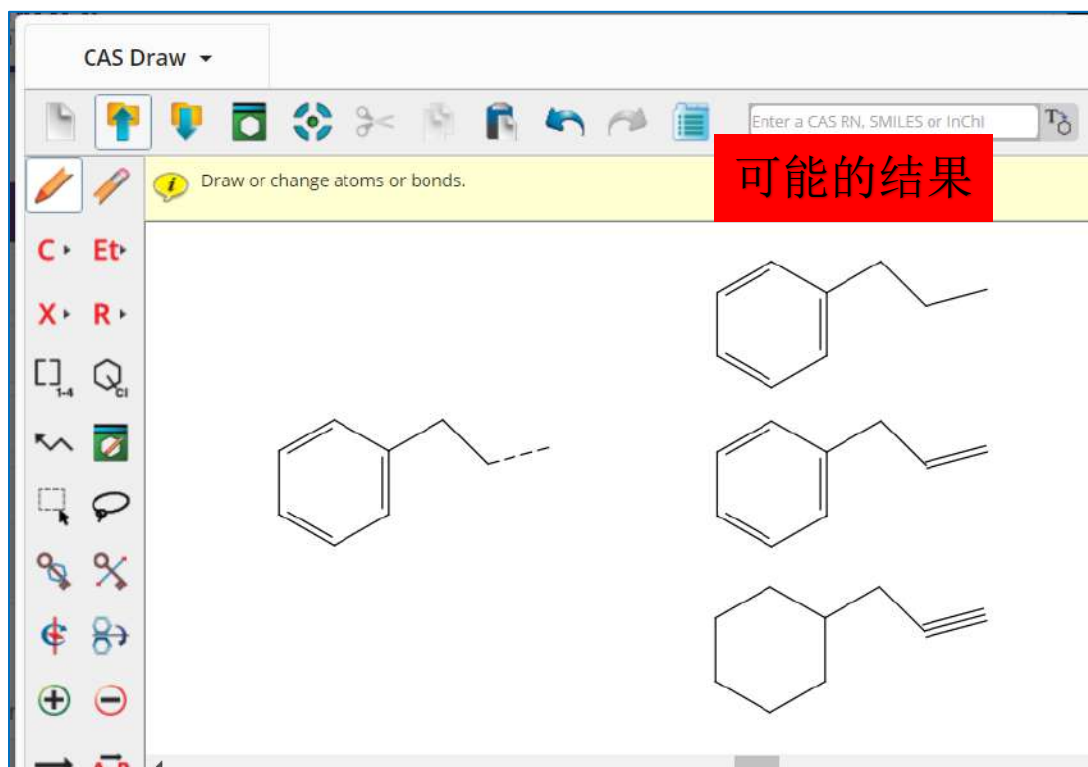
11.  反應箭頭。箭頭左邊的物質是起始物或者試劑，右邊為產物。 為反應角色定義工具，用於定義物質在反應中的角色。




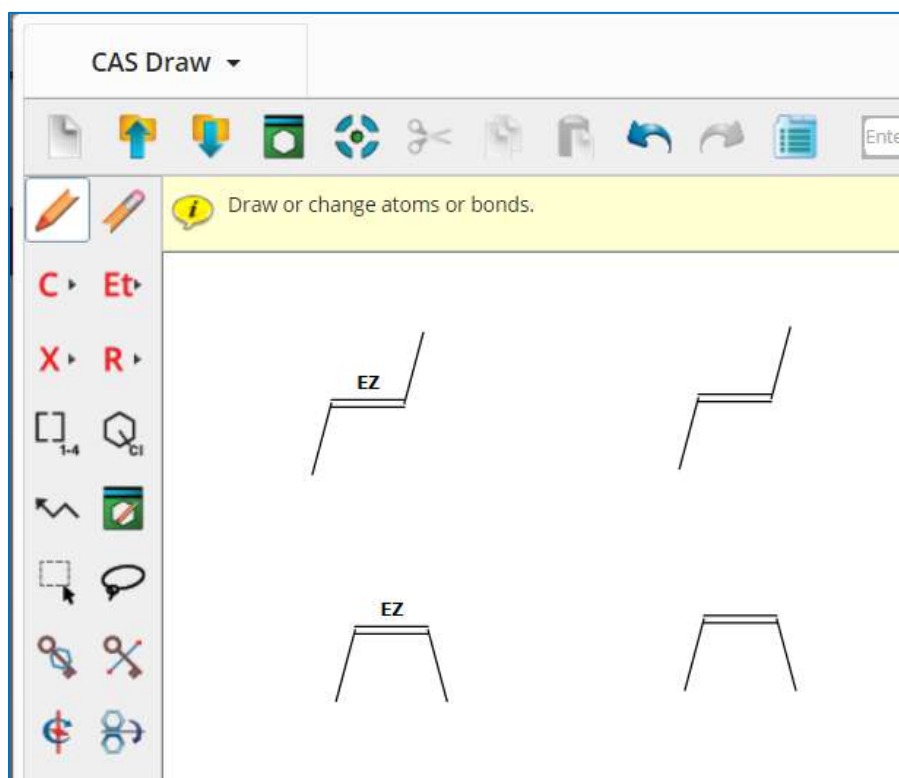
12.  為反應原子標記工具。在原料和產物中以相同數位被標記的原子，表明其反應前後為同一原子。 為反應鍵標記工具，起始物的某鍵被標記，則表明此鍵在反應過程中發生斷開等變化；產物的某鍵被標記，則表明此鍵在反應過程中是新生成的鍵。



13.  為不確定鍵，可以指單鍵，雙鍵或者三鍵。



14.  用於鎖定雙鍵的立體構型，若繪製E構型烯烴，使用此鍵鎖定後，結果集只包含該雙鍵位置為E構型的烯烴，Z構型同理。



SciFinderⁿ 使用技巧 | 立體化合物的檢索

Search

All

Substances

Reactions

References

Suppliers

Search by Substance Name, CAS RN, Patent Number, etc.

Enter a query...

Use Advanced Search for Molecular Formula, Substance Property, or Experimental Spectra

Edit

2

Edit Drawing Remove

Search Patent Markush

1. 選擇 **Substances**，進行物質檢索
2. 在結構編輯器中繪製出立體化合物的結構

CAS Draw

Draw or change atoms or bonds.

Shortcut Keys

Enter a CAS RN, SMILES or InChI

C H O S N P Cl Br F I Si

C₈H₁₀O (122.17)

100%

OK Cancel

3

3. 繪製結構時，使用立體異構鍵標注結構中的立體特徵

Structure Match

As Drawn (250)

Substructure (4.7M)

Similarity (15K)

Analyze Structure Precision

Filter by

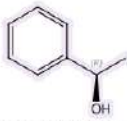
- Commercial Availability
- Reaction Role
- Reference Role
- Stereochemistry **4**
 - Absolute Stereo Match (56)
 - Absolute Stereo Mirror Image (53)
 - Stereo that Doesn't Match Query (29)
 - No Stereo in Answer Structure (112)
- Number of Components
- Substance Class

Substances (56)

Sort: Relevance View Partial

References Reactions Suppliers

1517-69-7
View Detail

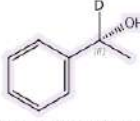


Absolute stereochemistry shown, Rotation (+)

$C_8H_{10}O$
(+)-1-Phenylethanol

3,701 References 9,271 Reactions 92 Suppliers

71886-65-2
View Detail

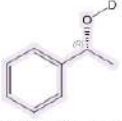


Absolute stereochemistry shown

C_8H_9DO
(αR)-α-Methylbenzenemethanol-*d*-ol

14 References 19 Reactions 1 Supplier

1246182-86-4
View Detail

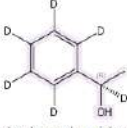


Absolute stereochemistry shown

C_8H_9DO
(αR)-α-Methylbenzenemethanol-*d*

6 References 13 Reactions 0 Suppliers

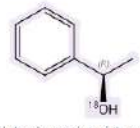
159146-97-1
View Detail



Absolute stereochemistry shown

$C_8H_4D_6O$
Benzene-*d*₅-methanol-*d*-ol, α-methyl-, (R)-

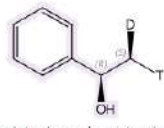
155797-94-7
View Detail



Absolute stereochemistry shown

$C_8H_{10}O$
Benzenemethanol-¹⁸O, α-methyl-, (R)-

101860-64-4
View Detail

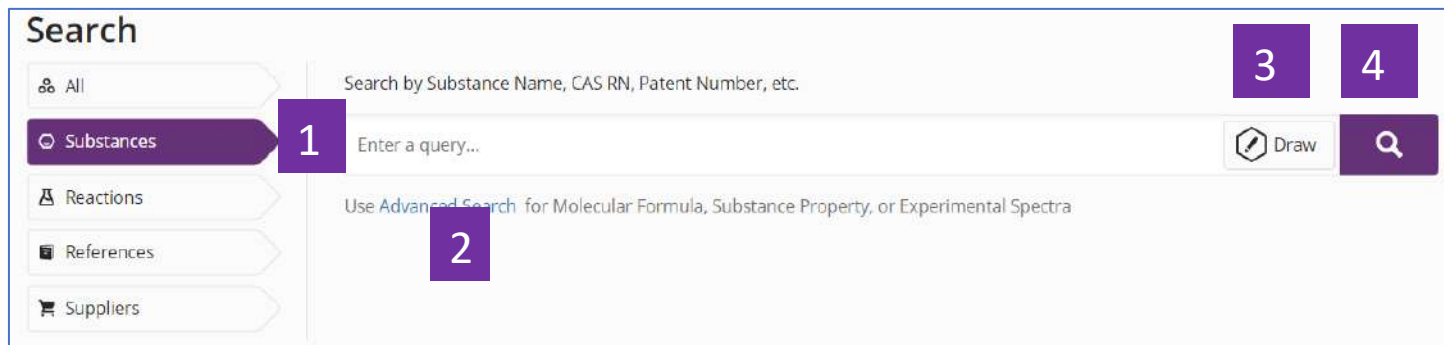


Absolute stereochemistry shown

C_8H_8DOT
Benzenemethanol, α-(methyl-*d*-*t*-), [R-(R*,S*)]-

4.在物質結果集中，通過左側 Stereochemistry 流覽並選擇需要的立體物質

SciFinderⁿ 使用技巧 | 同位素化合物的檢索



1. 選擇 **Substances**，進行物質檢索
2. 點擊 **Advanced Search**，根據分子式、屬性或實驗譜圖來檢索物質
3. 點擊 **Draw**，進行結構檢索
4. 點擊放大鏡，開始物質檢索

Substances

References

Advanced Substance Search

Molecular Formula **1**

Enter one Molecular Formula.

Ex: C6H6
(C8H8)_x
C22H26CuN2O5.C2H3N

Add Another Molecular Formula

— AND —

Substance Property

Select Property Enter Value

- Select One -

Add Another Property

— AND —

Experimental Spectra

Select Spectrum Enter Value

- Select One -

Add Another Spectrum **2**

1. 可以通過分子式輸入 H 的同位素（D 或 T），進行同位素化合物檢索
2. 點擊放大鏡，開始檢索


Substances (19) Sort: Relevance View Partial


References Reactions Suppliers

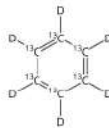
Filter by


- Commercial Availability
 - Available (4)
 - Not Available (15)
- Reaction Role
- Reference Role
- Number of Components
- Substance Class
- Isotopes **1**
 - Containing Isotopes (19)
- Metals
- Experimental Property
- Experimental Spectrum
- Regulatory Information
- Search Within Results

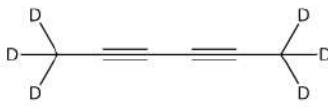
2

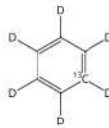
1076-43-3 View Detail

 C_6D_6
 Benzene- d_6
 2,823 References 27K Reactions 134 Suppliers

38091-14-4 View Detail

 C_6D_6
 Benzene- d_6 , radical ion(1+)
 45 References 0 Reactions 0 Suppliers

32602-97-4 View Detail

 C_6D_6
 Benzene-1,2,3,4,5,6- $^{13}C_6$ -1,2,3,4,5,6- d_6
 9 References 0 Reactions 4 Suppliers

34525-57-0 View Detail

 C_6D_6
 Benzene- d_6 , radical ion(1-)
 8 References 0 Reactions 0 Suppliers

73113-25-4 View Detail

 C_6D_6
 2,4-Hexadiyne-1,1,1,6,6,6- d_6 , radical ion(1+)
 7 References 0 Reactions 0 Suppliers

55153-53-2 View Detail

 C_6D_6
 Benzene- ^{13}C - d_6
 6 References 0 Reactions 1 Supplier

1. 獲得符合輸入分子式的同位素標記物質
2. 流覽並選擇需要獲取的物質結果

SciFINDERⁿ
A CAS SOLUTION

Substances ▾ Enter a query... Edit 🔍 ⭐ ⌚ 👤

← Return to Home

Structure Match

As Drawn (11K)

Substructure (109.1M)

Similarity (7,034)


Analyze Structure Precision

Filter by

- Commercial Availability
- Reaction Role
- Reference Role
- Stereochemistry
- Number of Components
- Substance Class
- Isotopes
 - Containing Isotopes (725)
 - Not Containing Isotopes (10K)
- Metals
- Experimental Property
- Experimental Spectrum

Substances (725)

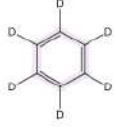
References ▾ Reactions ▾ Suppliers ▾

1 

Edit Drawing Remove

Search Patent Markush

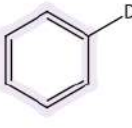
1076-43-3 View Detail



C_6D_6
Benzene- d_6

2,823 References 27K Reactions 134 Suppliers

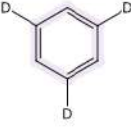
1120-89-4 View Detail



C_6H_5D
Benzene- d

377 References 144 Reactions 14 Suppliers


34-47-5 View Detail



$C_6H_3D_3$
Benzene-1,3,5- d_3

176 References 11 Reactions 12 Suppliers


13657-09-5 View Detail



C_6HD_5
Benzene-1,2,3,4,5- d_5

130 References 29 Reactions 12 Suppliers

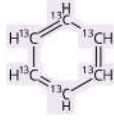
1684-46-4 View Detail



$C_6H_4D_2$
Benzene-1,4- d_2

117 References 11 Reactions 6 Suppliers

32488-44-1 View Detail



C_6H_6
Benzene-1,2,3,4,5,6- $^{13}C_6$

98 References 47 Reactions 20 Suppliers

1. 根據結構式來檢索物質
2. 在物質結果中，通過左側 Isotopes 選擇 containing isotopes，獲取含有同位素標記的物質結果

SciFinderⁿ 使用技巧 | 獲取製劑（配方）資訊

在 SciFinderⁿ 中可通過以下 2 種方式獲取製劑（配方）資訊：

直接在 Reference 檢索框中輸入檢索式，在得到的文獻結果頁面左側選擇 Formulation Purpose, 獲得感興趣的製劑（配方）資訊

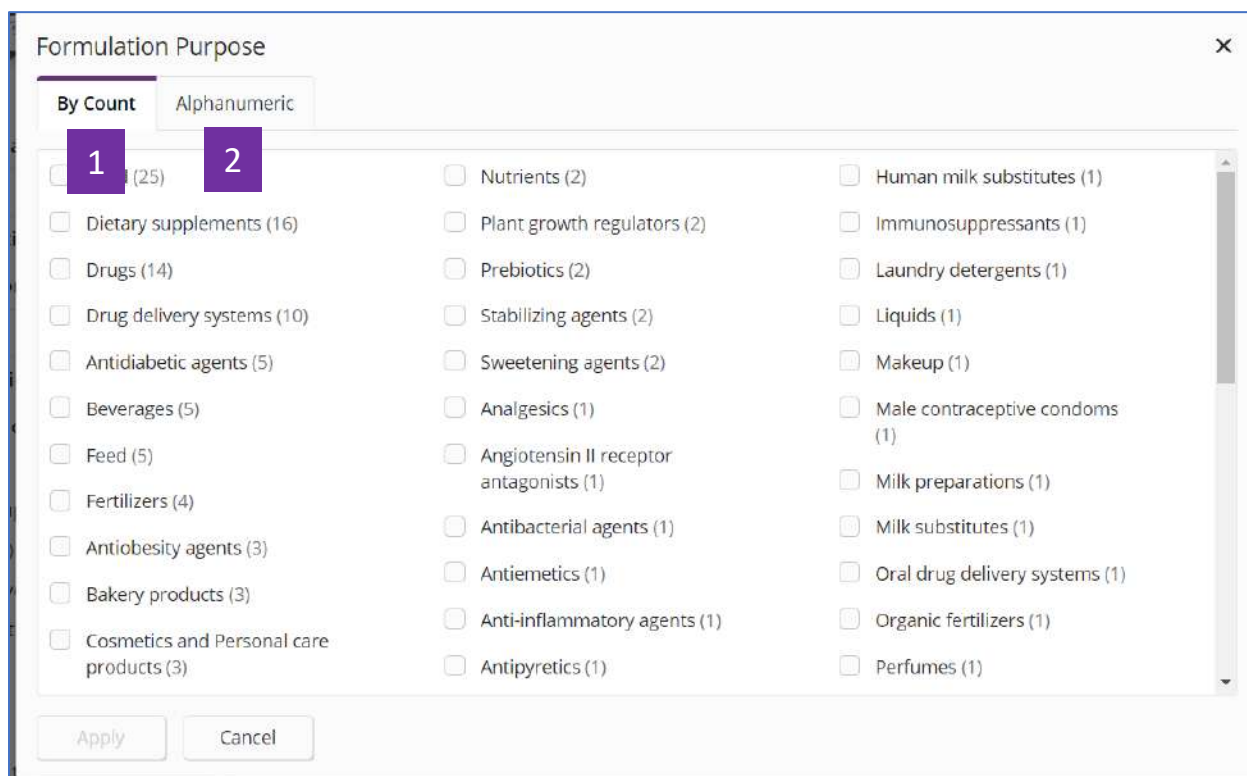
從物質檢索開始，通過物質獲取文獻，然後在文獻結果頁面左側選擇

Formulation Purpose, 獲得感興趣的製劑（配方）資訊

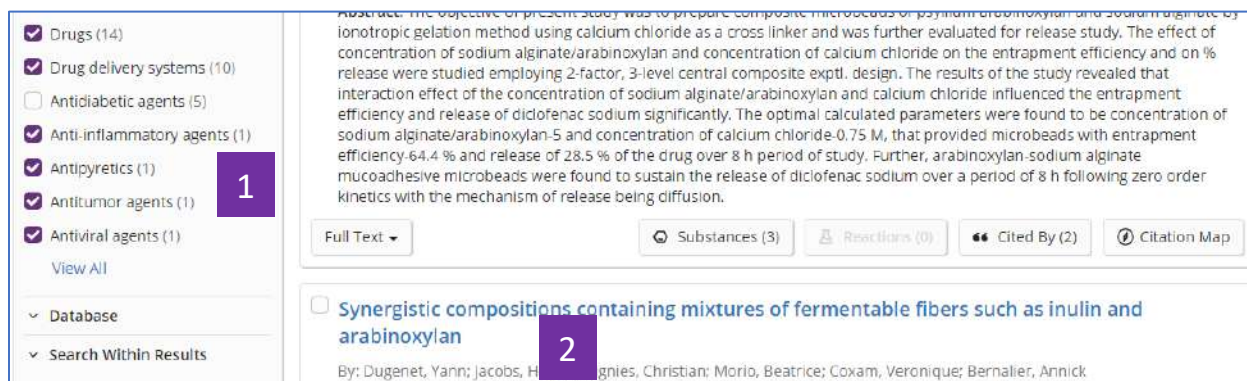
方法 1、直接在 Reference 檢索框中輸入檢索式，在得到的文獻結果頁面左側選擇 Formulation Purpose, 獲得感興趣的製劑（配方）資訊（以獲取依託必利緩釋劑為例）：

The screenshot displays the SciFinderⁿ interface. At the top, the search bar contains 'References' and 'itopride sustained release' with a count of 1. The left sidebar shows filter options, with 'Formulation Purpose' expanded to show 'Drug delivery systems (961)', 'Drugs (658)', 'Antitumor agents (404)', 'Antidiabetic agents (243)', and 'Anti-inflammatory agents (241)'. The 'View All' link for 'Anti-inflammatory agents' is highlighted with a purple box containing the number 3. The main content area shows a list of references. The first reference is titled 'Formulation & evaluation of itopride HCl sustained release pellets P' and includes an abstract describing the formulation of pellets using Et cellulose N50. The second reference is titled 'Sustained release Itopride hydrochloride matrix tablet' and includes an abstract describing the formulation of a matrix tablet. Both references have their titles highlighted in purple. The interface also shows options for 'Substances', 'Reactions', and 'Cited By' for each reference.

1. 直接進行文獻檢索
2. 點擊 **Formulus**，可以獲得製劑（配方）的更多資訊（[請諮詢美國化學文摘社台灣代表處 Taiwan@acs-i.org](#) 獲取更多有關 **Formulus** 的資訊）
3. 在 **Formulation Purpose** 進行勾選感興趣的製劑（配方）資訊，點擊 **View All** 查看全部選項



1. 根據文獻數量對選項進行排序
2. 根據選項字母順序排序



1. 可以選擇一個或者幾個選項
2. 點擊題目查看文獻資訊詳情

Hydrolysed protein-polysaccharide complexes

By: Schmitt, Christophe Joseph Etienne

Abstract: Hydrolyzed protein-polysaccharide complexes, and more specifically those complexes formed by complex formation of a protein with a polysaccharide followed by hydrolysis are presented. The resulting complexes have good emulsifying and stabilizing properties and can be used in food, cosmetic or pharmaceutical products. The invention further relates to the method of manufacture of such complexes.

PATENTPAK Viewer Full Text ▾

Patent Family

Patent	Language	Kind Code	PatentPak Options	Publication Date	Application Number	Application Date
EP2196097	English	A1	1 PDF PDF+ Viewer	2010-06-16	EP2008-170653	2008-12-04
EP2196097	English	B1	PDF	2014-06-18	EP2008-170653	2008-12-04
ES2488098	Spanish	T3	PDF	2014-08-26	ES2008-170653	2008-12-04
AU2009324245	English	A1	PDF	2010-06-10	AU2009-324245	2009-11-30
CA2743101	English	A1		2010-06-10	CA2009-2743101	2009-11-30
WO2010063669	English	A1	PDF PDF+ Viewer	2010-06-10	WO2009-EP66038	2009-11-30
CN102227170	Chinese	A	PDF	2011-10-26	CN2009-80147598	2009-11-30
IL211972	English	A		2012-12-31	IL2009-211972	2009-11-30
NZ591979	English	A		2013-01-25	NZ2009-591979	2009-11-30
AU2009324245	English	B2	PDF	2014-11-20	AU2009-324245	2009-11-30
CN102227170	Chinese	B	PDF	2014-12-10	CN2009-80147598	2009-11-30
BR2009022290	Portuguese	A2		2015-08-11	BR2009-22290	2009-11-30
MY158625	English	A		2016-10-31	MY2011-1385	2009-11-30
US20110236554	English	A1	PDF	2011-09-29	US2011-13129501	2011-06-06
US8728556	English	B2	PDF PDF+ Viewer	2014-05-20	US2011-13129501	2011-06-06

[Expand All](#) | [Collapse All](#)

∨ Concepts
 ∨ Substances
 ^ Formulations **2**

1. 點擊 PatentPak 可以直接閱讀或者獲取專利的 PDF 全文
2. 點擊 Formulations 查看製劑（配方）資訊

Hydrolyzed Protein-Polysaccharide Complex: Pharmaceutical Products or Cosmetic, Etc. **1**

[View Formulus® Detail](#) **2**

Location: example 3 **2**

Purpose: Cosmetics and Personal care products, Drugs **3**

Component 4	Function 5	Amount Reported 6
Whey proteins	active agent	1 w %
Gum arabic 7	active agent	1 w %
Enzeco bromelain enzyme	enzymes	1 w %
Sunflower oil	-	10 g

Additional Components Reported in Full Text

1. 點擊 **View Formulus** 將進入 **CAS** 另一個解決方案 **Formulus** (關於 **Formulus** 的更多資訊，請諮詢美國化學文摘社台灣代表處 Taiwan@acs-i.org)
2. 該製劑（配方）在原文中出現的位置（示例為在實施例 3 中）
3. 製劑（配方）用途
4. 製劑（配方）中的成分
5. 各成分所起的作用
6. 成分含量
7. 點擊藍色超連結的物質名，可以獲取其物質資訊詳情

方法 2、從物質檢索開始，通過物質獲取文獻，然後在文獻結果頁面左側選擇 Formulation Purpose,獲得感興趣的製劑（配方）資訊（以獲取阿拉伯木聚糖製劑資訊為例）：

The screenshot shows the SciFinder search results for 'arabinoxylan'. The search bar at the top contains 'arabinoxylan' and the filter is set to 'All'. On the left side, there is a 'Show only' filter menu with the following options: Substances (1) [1], Reactions (20), References (5,458), and Suppliers (3). The main content area is titled 'All Answer Types' and displays 'Top two answers by relevance from each answer type.' Under the 'Substances (1)' category, the first result is '9040-27-1' with a 'View Detail' link. Below the name, it says 'Image Not Available'. The chemical is identified as 'Unspecified Arabinoxylan'. At the bottom of the result card, there are three buttons: 'References' (3,515), 'Reactions' (20), and 'Suppliers' (3). A purple box with the number '2' is placed over the 'References' button.

1. 進行物質檢索，獲得物質檢索結果集
2. 由物質獲得文獻結果集

The screenshot shows the SciFinder interface. At the top, there is a search bar with the text "Enter a query..." and a "References" dropdown menu. The main content area is titled "References (3,515)" and includes a "Sort: Relevance" dropdown and a "View: Full Abstract" dropdown. Below this, there are filters for "Substances", "Reactions", and "Cited By". The left sidebar contains a "Filter by" section with various categories: Document Type, Substance Role, Language, Publication Year, Available at My Institution, Author, Organization, Publication Name, Concept, CAS Solutions, and Formulation Purpose. The "Formulation Purpose" category is highlighted with a purple box and the number "1". Under "Formulation Purpose", there are several sub-categories: Food (25), Dietary supplements (16), Drugs (14), Drug delivery systems (10), and Antidiabetic agents (5). The main search results area displays two entries. The first entry is "Cereal arabinoxylans: advances in structure and physiochemical properties" by Izydorczyk, Marta S.; Biliaderis, Costas G. The second entry is "Arabinoxylans and Endoxylanases in Wheat Flour Bread-making" by Courtin, C. M.; Delcour, J. A.

1. 在 Formulation Purpose 中勾選所需目標製劑資訊

SciFinder[®] 使用技巧 | 片段結構的物質檢索

如果希望某些重要的結構片段一定要出現在物質中，且對這些片段相互之間的連接方式和位置不明確要求的話，則可以在 SciFinder[®] 中用片段結構檢索來實現。

The screenshot displays the SciFinder search interface. On the left, a sidebar contains navigation options: 'All', 'Substances' (highlighted with a purple bar and a '1' callout), 'Reactions', 'References', and 'Suppliers'. The main search area has a header 'Search by Substance Name, CAS RN, Patent Number, etc.' and a search input field with the placeholder 'Enter a query...'. Below the input field, there is a note: 'Use Advanced Search for Molecular Formula, Substance Property, or Experimental Spectra'. On the right side of the search area, there is an 'Edit' button and a search icon. A '2' callout points to a drawing tool that shows two chemical structures (a benzene ring and a benzene ring with a substituent) and buttons for 'Edit Drawing', 'Remove', and a checkbox for 'Search Patent Markush'. A '3' callout points to the search icon.

1. 選擇 **Substances** 檢索
2. 繪製片段結構
3. 點擊檢索

SCIFINDERⁿ
A CAS SOLUTION

Substances ▾ Enter a query...

Biological Study (113K)
 Combinatorial Study (514)
 Formation (132)
[View All](#)

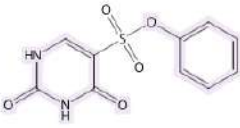
▼ Stereochemistry
^ Number of Components
 1 (261K) **1**
 2 (12K)
 3 (693)
 4 (218)
 5 or more (320)

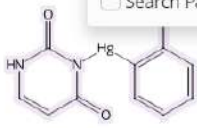
^ Substance Class **2**
 Organic/Inorganic Small Molecule (259K)
 Coordination Compound (789)
 Protein/Peptide Sequence (308)
 Incompletely Defined Substance (265)
 Nucleic Acid Sequence (249)
 Polymer (148)
 Radical Ion (2)
[View Fewer](#)

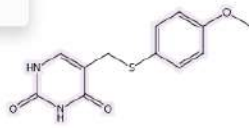
▼ Isotopes

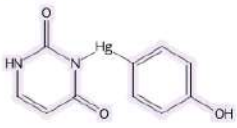
tetrahydro-2,4-dioxo-5-pyrimidinyl)-
 References: 0 Reactions: 0 Suppliers: 0

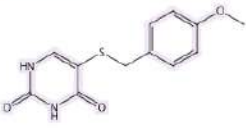
pyrimidinyl)(4-met
 Reference: 1 Reactions: 0 Suppliers: 0

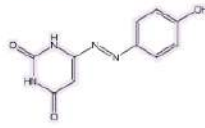
99361-68-9
[View Detail](#)

 $C_{10}H_8N_2O_5S$
 5-Pyrimidinesulfonic acid, 1,2,3,4-tetrahydro-2,4-dioxo-, phenyl ester
 References: 3 Reactions: 0 Suppliers: 1

211449-01
[View Detail](#)

 $C_{10}H_8HgN_2O_3$
 Mercury, (2-hydroxyphenyl)(2,4(1H,3H)-pyrimidinedionato-κN³)-
 Reference: 1 Reactions: 0 Suppliers: 0

000-11-3
[View Detail](#)

 $C_{12}H_{12}N_2O_3S$
 2,4(1H,3H)-Pyrimidinedione, 5-[[[4-methoxyphenyl]thio]methyl]-
 Reference: 1 Reaction: 1 Suppliers: 3

211449-03-5
[View Detail](#)

 $C_{10}H_8HgN_2O_3$
 Mercury, (4-hydroxyphenyl)(2,4(1H,3H)-pyrimidinedionato-κN³)-
 Reference: 1 Reactions: 0 Suppliers: 0

515824-66-5
[View Detail](#)

 $C_{12}H_{12}N_2O_3S$
 2,4(1H,3H)-Pyrimidinedione, 5-[[[4-methoxyphenyl]methyl]thio]-
 Reference: 1 Reactions: 3 Supplier: 1

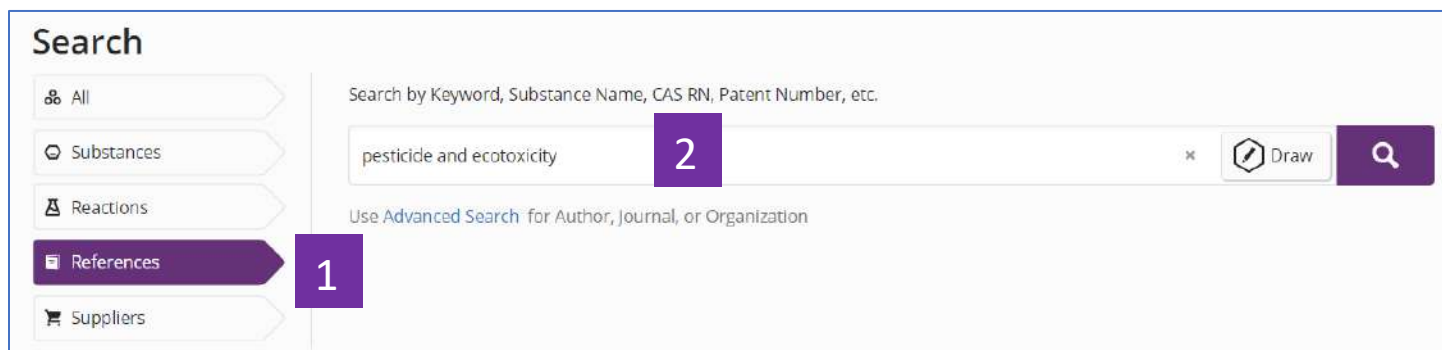
29050-86-0
[View Detail](#)

 $C_{10}H_8N_4O_3$
 6-[2-(4-Hydroxyphenyl)diazenyl]-2,4(1H,3H)-pyrimidinedione
 References: 89 Reactions: 0 Suppliers: 5

1. 通過 **Number of Components**，限定被檢索的片段在同一個組分或多個不同組分中（如，選擇 **1**，表示被檢索片段在同一個組分中；選擇 **2**，表示被檢索片段分別在 **2** 個不同組分中等；以此類推）
2. 可繼續通過 **Substance Class**，篩選物質類型
3. 查看物質詳情

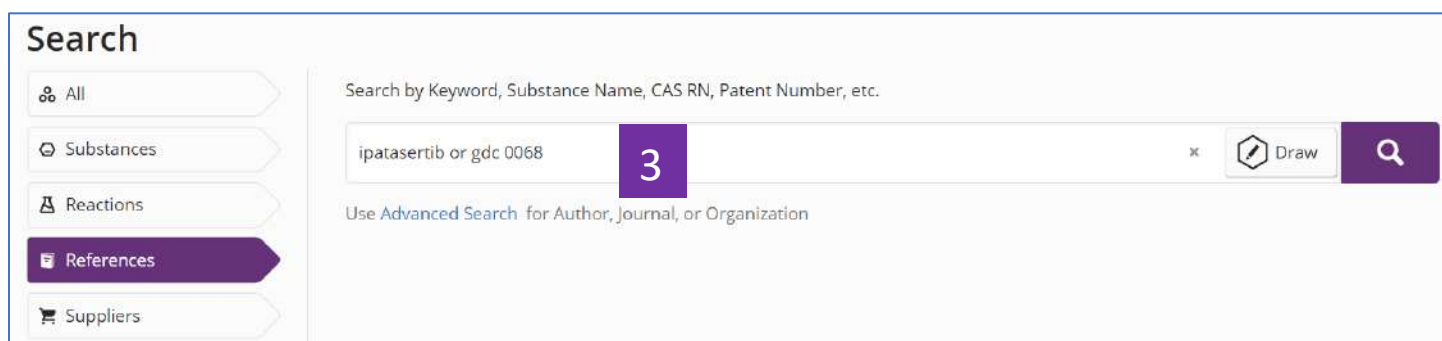
SciFinderⁿ 使用技巧 | 布林邏輯運算元在文獻檢索中的應用

在 SciFinder-n 中用文本詞語檢索文獻時，可使用以下布林邏輯運算元：

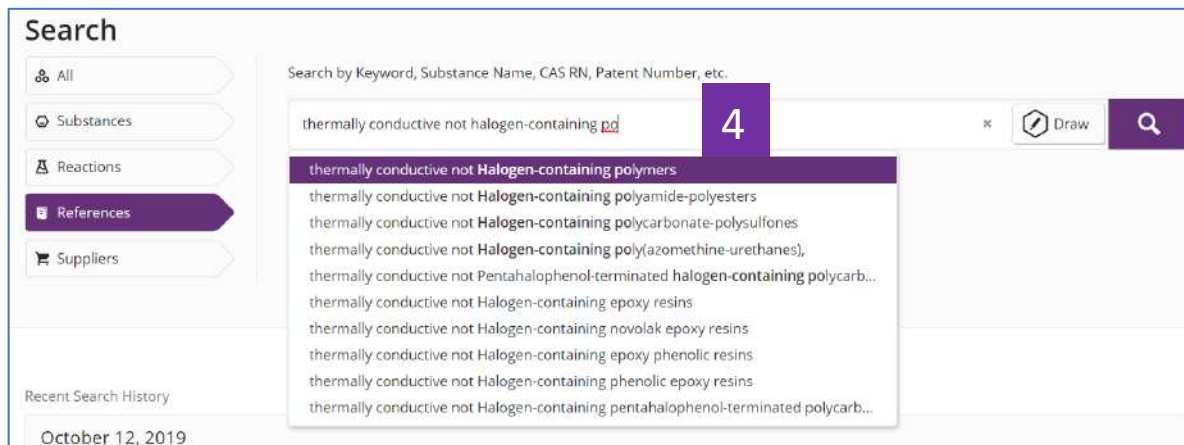
1. **AND**：表示兩個（多個）被檢索的詞語同時出現在檢索結果中；
2. **OR**：表示在檢索結果中出現任意一個被檢索詞即可；
3. **NOT**：排除某個被檢索詞出現在檢索結果中；
4. “ ”：表示被檢索的是一個確定的詞語或片語；
5. ()：在檢索式中有多個布林邏輯運算元時，可用括弧指定不同布林邏輯運算元間的運行順序。



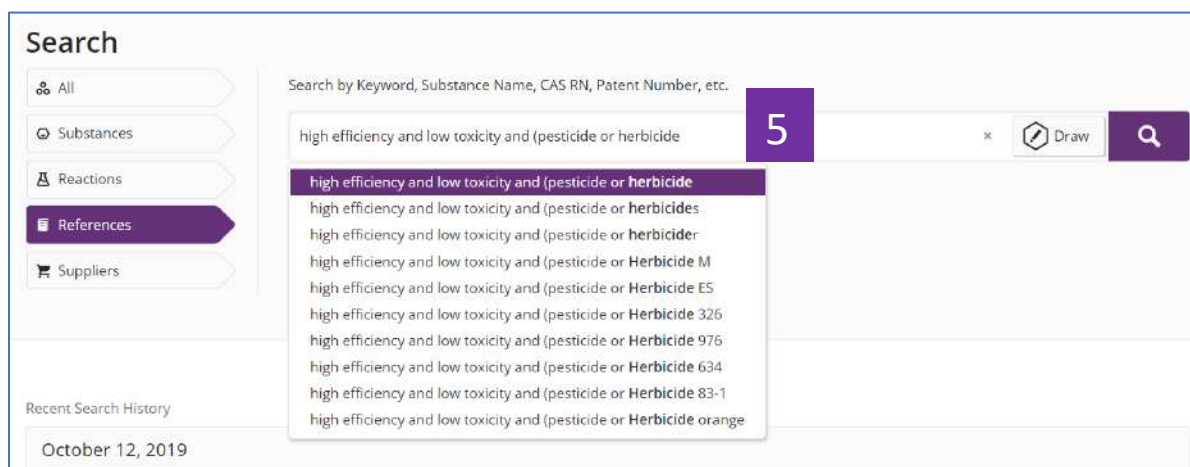
1. 點擊 **References** 開始文獻檢索
2. 使用 **AND** 連接兩個檢索詞，如 **Pesticide and ecotoxicity**，表示在檢索結果中 **Pesticide** 和 **ecotoxicity** 同時出現



3. 使用 **OR** 連接兩個檢索詞，如 **ipatasertib or gdc 0068**，表示 **ipatasertib** 和 **gdc 0068** 任意一個出現即可



4. 使用 NOT 連接兩個單詞或片語，如 thermally conductive not halogen-containing polymers，則只能得到 thermally conductive 出現的結果。



5. 當使用多個布林邏輯運算元時，可使用括弧()，指定邏輯運算元的運算順序。如 high efficiency and low toxicity and (pesticide or herbicide)，此時表示優先運算 pesticide or herbicide。

Search

All
 Substances
 Reactions
References
 Suppliers

Search by Keyword, Substance Name, CAS RN, Patent Number, etc.

"total synthesis" and taxol **6** × Draw 🔍

Use Advanced Search for Author, Journal, or Organization

6. 引號“ ”，表示被檢索的詞（片語）為確定的，不能出現不同拼寫或片語被拆分的情況，如“total synthesis” and taxol。此時指 total synthesis 是一個固定片語

SciFinderⁿ A CAS SOLUTION

References ▾ "total synthesis" and taxol × Draw 🔍 ★ ⌚ 👤

← Return to Home

References (298) Sort: Relevance ▾ View: Partial Abstract ▾

☐ Substances ▾ Reactions ▾ “ Cited By ▾ 📄 📧 ★ Save

☐ **Total synthesis of taxol.**

By: Nicolaou, K C; Yang, Z; Liu, J J; Ueno, H; Nantermet, P G; Guy, R K; Claiborne, C F; Renaud, J; Couladouros, E A; Paulvannan, K
 Nature (1994), 367(6464), 630-4 | Language: English, Database: MEDLINE
[View Reference Detail](#)

Abstract: Taxol, a substance originally isolated from the Pacific yew tree (*Taxus brevifolia*) more than two decades ago, has recently been approved for the clinical treatment of cancer patients. Hailed as having provided one of the most significant advances in cancer therapy, this molecule exerts its anticancer activity by inhibiting mitosis through enhancement of the polymerization of tubulin and consequent stabilization of microtubules. The scarcity of taxol and the ecological impact of harvesting it have prompted extensive searches for alternative sources including semisynthesis, cellular culture pro...

[View More ▾](#)

Full Text ▾ Substance (1) Reactions (0) “ Cited By (718) Citation Map

☐ **Total synthesis of taxol**

By: Nicolaou, K. C.; Yang, Z.; Liu, J. J.; Ueno, H.; Nantermet, P. G.; Guy, R. K.; Claiborne, C. F.; Renaud, J.; Couladouros, E. A.
 Nature (London, United Kingdom) (1994), 367(6464), 630-4 | Language: English, Database: CAlus
[View Reference Detail](#)

Abstract: The total synthesis of taxol (I) from the benzofuranone II by a convergent strategy, which opens a chem. pathway for the production of both I and a variety of designed taxoids is reported.

[View More ▾](#)

Full Text ▾ Substance (26) Reactions (23) “ Cited By (718) Citation Map

Filter by

Relevance

Best (69)

Good (174)

Fair (55)

[Learn more about Relevance...](#)

Document Type

Journal (222)

Patent (11)

Review (86)

Commentary (1)

Conference (42)

[View All](#)

Language

English (256)

Japanese (15)

Chinese (12)

German (4)

French (2)

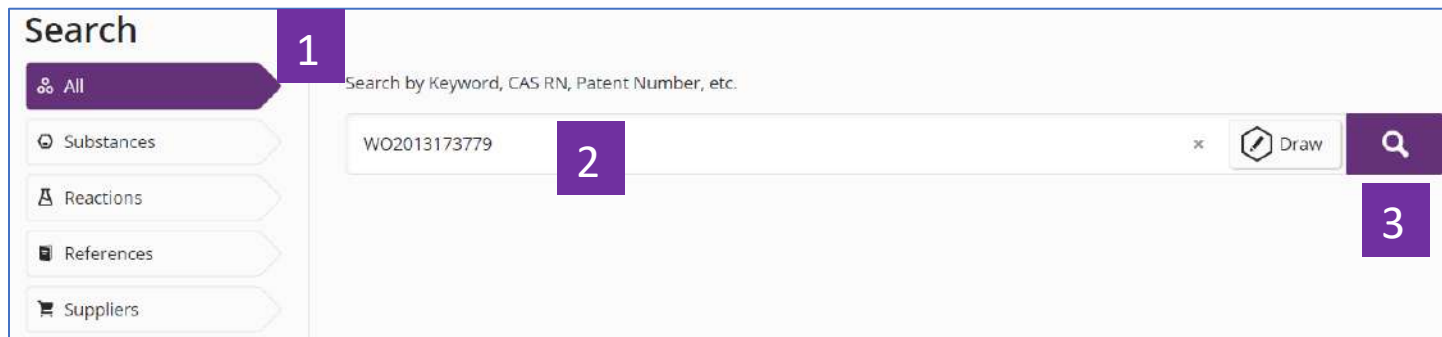
[View All](#)

Publication Year

SciFinderⁿ 使用技巧 | 利用專利號進行檢索

當用專利號進行檢索時，可以選擇 **All** 或分別選擇 **Substances**、**Reactions** 和 **References** 進行檢索。

注：專利號中的國家代碼和數字間不能用空格隔開，如 **WO2013173779**



1. 選擇 **All**，同時獲取該專利中披露的反應、物質、本專利文獻及其披露的物質的供應商資訊
2. 輸入專利號
3. 進行檢索

SCI FINDERⁿ
A CAS SOLUTION

All WO2013173779

Draw

4

Return to Home

Show only

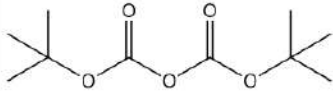
- Substances (18)
- Reactions (35)
- References (2)
- Suppliers (0)

All Answer Types

Top two answers by relevance from each answer type.

Substances (18)

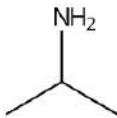
24424-99-5
View Detail



C₁₀H₁₈O₅
Di-*tert*-butyl dicarbonate

49K References 136K Reactions 144 Suppliers

75-31-0
View Detail



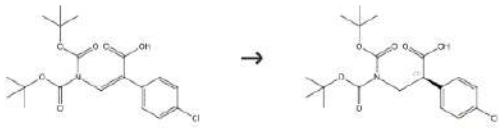
C₃H₉N
Isopropylamine

20K References 24K Reactions 68 Suppliers

[View All Substances](#)

Reactions (35)

Scheme 1 (1 Reaction) View



Absolute stereochemistry shown

Steps: 1
Yield: 99%

4.本專利披露的物質、反應和本專利文獻資訊及其披露的物質的供應商資訊

SCIFINDERⁿ A CAS SOLUTION

References WO2013173779

Draw

5

Return to Home

Filter by

- Relevance
- Document Type
 - Patent (2)
- Language
- Publication Year

2009 2019

No Min to No Max Apply

View Larger
- Author
- Organization
- Publication Name
- Concept
- Database
- Search Within Results

References (2) Sort: Relevance View: Partial Abstract

Substances Reactions Cited By Save

Process for making amino acid compounds

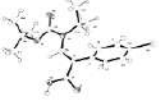
By: Remarchuk, Travis
United States, US9278917 B2 2016-03-08 | Language: English, Database: CAplus
[View Reference Detail](#)

Abstract: The invention provides new processes for making and purifying amino acid compounds, which are useful in the preparation of AKT inhibitors used in the treatment of diseases such as cancer, including the compound (S)-2-(4-chlorophenyl)-1-(4-((5R,7R)-7-hydroxy-5-methyl-6,7-dihydro-5H-cyclopenta[d]pyrimidin-4-yl)piperazin-1-yl)-3-(isopropylamino)propan-1-one.

PATENTPAK Full Text Substances (17) Reactions (12) Cited By (0) Citation Map

Process for making amino acid compounds using enantioselective hydrogenation reactions

By: Remarchuk, Travis
World Intellectual Property Organization, WO2013173779 A1 2013-11-21 | Language: English, Database: CAplus
[View Reference Detail](#)



Abstract: The invention provides processes for making and purifying amino acid compounds of formula I [R¹ and R² are independently H, C₁₋₁₂ alkyl, and amino-protecting group] and their salts, which are useful in the preparation of AKT inhibitors, including the compound (S)-2-(4-chlorophenyl)-1-(4-((5R,7R)-7-hydroxy-5-methyl-6,7-dihydro-5H-cyclopenta[d]pyrimidin-4-yl)piperazin-1-yl)-3-(isopropylamino)propan-1-one. Compound I [R¹ = H; R² = Boc] was prepared by condensation of Et 4-chlorophenylacetate with Et formate and isopropylamine followed by Boc-protection; the resulting (E)-Et 3-((tert-butoxycarbonyl...

View More

PATENTPAK Full Text Substances (18) Reactions (23) Cited By (1) Citation Map

5.選擇 References，獲得該專利及其同族資訊

SCIFINDER[®] A CAS SOLUTION

Substances WO2013173779

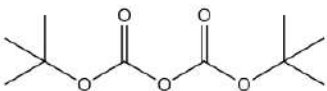
Draw

6 Substances (18)

Sort: Relevance View Partial

References Reactions Suppliers Save

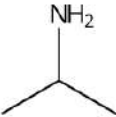
24424-99-5
View Detail



C10H18O5
Di-tert-butyl dicarbonate

49K References 136K Reactions 144 Suppliers

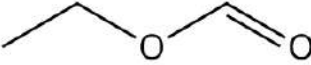
75-31-0
View Detail



C3H9N
Isopropylamine

20K References 24K Reactions 68 Suppliers

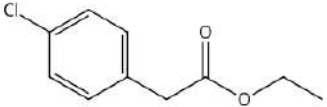
109-94-4
View Detail



C3H6O2
Ethyl formate

13K References 13K Reactions 72 Suppliers

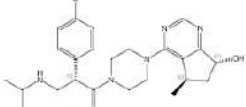
14062-24-9
View Detail



C10H11ClO2
Benzeneacetic acid, 4-chloro-, ethyl ester

254 References 244 Reactions 68 Suppliers

1001264-89-6
View Detail

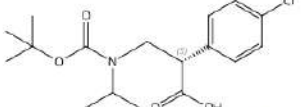


C24H32ClN5O2
GDC 0068

Absolute stereochemistry shown

131 References 254 Reactions 71 Suppliers

1001179-33-4
View Detail



C17H24ClNO4
(αS)-4-Chloro-α-[[[(1,1-dimethylethoxy)carbonyl]-(1-methylethyl)amino]methyl]benz...

Absolute stereochemistry shown, Rotation (-)

24 References 156 Reactions 9 Suppliers

Filter by

- Commercial Availability
- Reaction Role
 - Product (18)
 - Reactant (13)
 - Reagent (3)
 - Catalyst (4)
 - Solvent (3)
- Reference Role
- Stereochemistry
- Number of Components
- Substance Class
- Isotopes
- Metals
- Molecular Weight
- Experimental Property
- Experimental Spectrum
- Regulatory Information
- Bioactivity Indicator
- Target Indicator
- Search Within Results

6.選擇 Substances，獲得該專利披露的物質資訊

SCIFINDERⁿ
A CAS SOLUTION

Reactions WO2013173779

Draw

7

Return to Home

Filter by

- Yield
- Number of Steps
- Experimental Protocols
- Reaction Type
- Stereochemistry
- Reagent
- Catalyst
- Solvent
- Commercial Availability
- Reaction Notes
- Search Within Results

Source Reference

- Publication Year
- Document Type
- Language

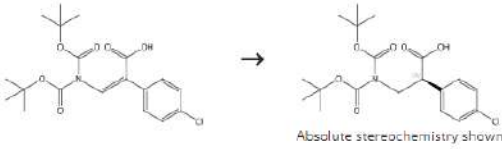
Reactions (35)

View Collapsed

References

Save

Scheme 1 (1 Reaction) View

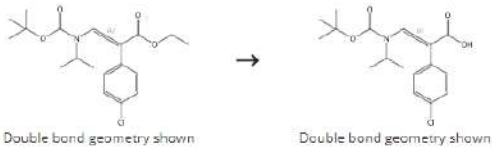


Steps: 1
Yield: 99%

Absolute stereochemistry shown

Expand Scheme

Scheme 2 (1 Reaction) View



Steps: 1
Yield: 91%

Double bond geometry shown

Supplier (1)

Suppliers (30)

7.選擇 Reactions，獲得該專利披露的反應資訊

SciFinderⁿ 使用技巧 | 獲取化學品供應商資訊

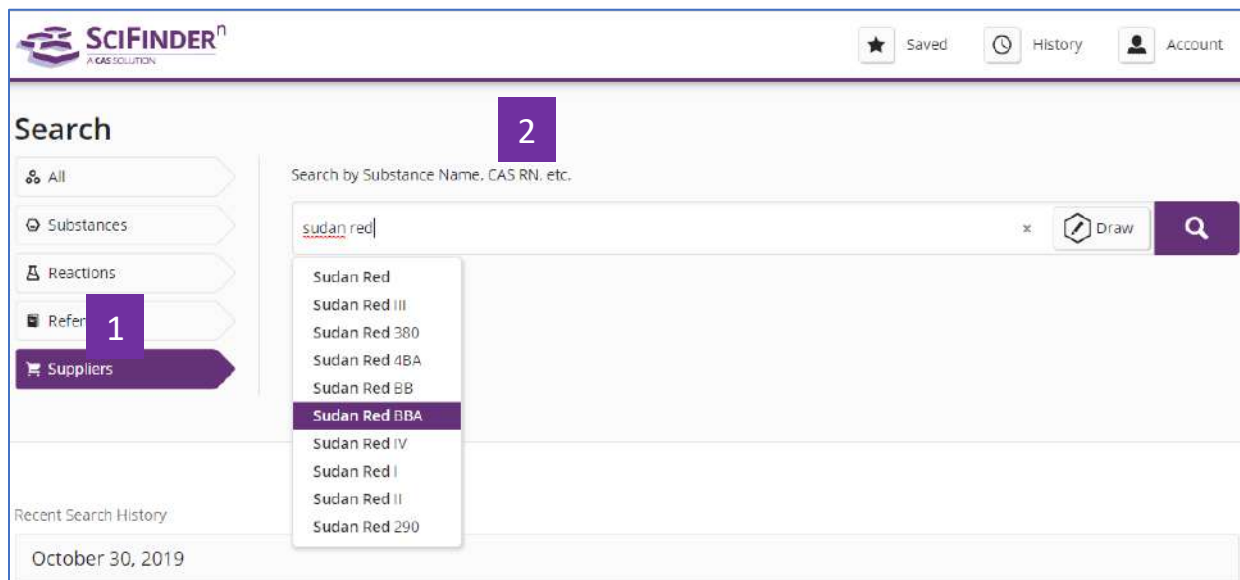
在 SciFinderⁿ 中可通過以下三種方式獲取化學品供應商的資訊：

直接在 **Suppliers** 檢索框中輸入所需化學品的物質名稱（包括商品名、俗名等）或者 CAS 登記號進行檢索。

在物質結果集頁面，點擊相應的 **suppliers** 獲得供應商資訊

在反應結果集中頁面點擊相應的 **Suppliers** 獲取供應商資訊

方法一、直接在 **Suppliers** 檢索框中輸入所需化學品的物質名稱（包括商品名、俗名等）或者 CAS 登記號進行檢索



1. 點擊 **Suppliers**
2. 輸入所需化學品的物質名稱（包括商品名，俗名等），或者 **CAS** 登記號

化學品供應商資訊結果集

SciFINDERⁿ A CAS SOLUTION

Suppliers Sudan Red BBA

Draw

Return to Home

Filter by **1**

- Preferred Suppliers
 - No Preference (69)
- Supplier
 - Synnovator Product List (3)
 - Carbosynth Product List (2)
 - FUJIFILM Wako Chemicals Europe GmbH Product List (2)
 - FUJIFILM Wako Chemicals U.S.A. Corporation Product List (2)
 - FUJIFILM Wako Pure Chemical Corporation Product List (2)
 - View All
- Purity
 - ≥99% (1)
 - 95-98% (32)
 - 90-94% (5)
 - <90% (1)
- Quantity
 - Milligrams (17)
 - Grams (48)
 - Kilograms or greater (10)
 - Bulk (35)
 - Screening (9)
- Ships Within
 - 1 week (24)
 - 2 weeks (12)
 - 4 weeks (5)
 - 8 weeks (1)

Suppliers (69) Sort: Supplier: A to Z

3

Supplier	Substance	Purity	Purchasing D	Ships Within
1 1Click CHEMISTRY 1Click Chemistry Stock Products United States	2 Methyl-4-[(2-methylphenyl)diazenyl]- (2-methylphenyl)diazenyl]-2-naphthol	95-98%	4 Order From Supplier 250.00 USD 65.70 USD 250.00 G, USD 97.40 USD 1.00 KG, USD 230.80 USD 2.50 KG, USD 461.60 USD View all Bulk	Maintained in stock Ships within 1 week
aablocks AA BLOCKS LLC Product List United States	85-83-6 2-Naphthalenol, 1-[[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]-	95-98%	Order From Supplier 25g, USD 39 100g, USD 75	Maintained in stock Ships within 1 week
abcr abcr GmbH Product List Germany	85-83-6 Sudan IV		5 Product Information EUR 79.20 EUR 1.0 kg, EUR 284.10	
Accel Pharmtech Accel Pharmtech Product List United States	85-83-6 1-((2-Methyl-4-(o-tolyldiazenyl)phenyl)diazenyl)naphthalen-2-ol	95-98%	1g 10g 100g 1kg	
AK Scientific AK Scientific Product Catalog United States	85-83-6 Solvent Red 24	95-98%	Order From Supplier 25g, USD 21 100g, USD 54	Maintained in stock Ships within

Stock Status

- Maintained in stock (34)
- Typically in stock (17)
- Intermittently available (3)
- Synthesis on demand (3)



Order From Supplier

- Link Available (30)

Country

- United States (48)
- Germany (12)
- Japan (12)
- China (10)
- United Kingdom (10)
- View All

aldlab Aldlab Chemicals In Stock Product List United States	85-83-6 Sudan IV; Solvent red 24	95-98%	Bulk Screening	1 week
Merck KGaA Darmstadt, Germany ALDRICH United States	85-83-6 Sudan IV		Order From Supplier 25 g 100 g Bulk	Maintained in stock
Alfa Aesar Alfa Aesar United States	85-83-6 Sudan IV		Order From Supplier 25g, USD 25.10 100g, USD 63.20 Bulk Screening	Typically in stock Ships within 1 week

1. 供應商篩選選項，可以根據：優選供應商、供應商名稱、產品純度、產品量級、運送時間、儲存狀態、是否有直達訂購連結、國家等對供應商結果進行篩選。
2. 可以選擇  或  來設置優選或者非優選供應商。
3. 可以按照供應商名稱的字母排列順序、運送時間或產品純度對供應商進行重新排序。
4. 點擊 **order from suppliers**，直接訪問產品訂購頁面。
5. 點擊 **product information**，訪問該供應商對此產品的描述資訊。

點擊 order from suppliers 所獲介面

sales@aablocks.com +1 858-523-8231 Login | Register

aablocks

Home | About Us | Products | Support | Contact Us

Home / Other Building Blocks / 85-83-6

Catalog No.:AA00IDF7 **85-83-6 | 2-Naphthalenol, 1-[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]-**

Pack Size	Purity	Availability	Price(USD)	Quantity		
25g	≥88% (dye content)	1 week	\$52.00	- 1 +	<input type="button" value="Add To Cart"/>	<input type="button" value="Order Now"/>
100g	≥88% (dye content)	1 week	\$66.00	- 1 +	<input type="button" value="Add To Cart"/>	<input type="button" value="Order Now"/>
250g	≥88% (dye content)	1 week	\$93.00	- 1 +	<input type="button" value="Add To Cart"/>	<input type="button" value="Order Now"/>

Technical Information

Technical Information

Catalog Number: AA00IDF7

Chemical Name: 2-Naphthalenol, 1-[[2-methyl-4-[(2-methylphenyl)azo]phenyl]azo]-

CAS Number: 85-83-6


Molecular Formula: C24H20N4O

Technical Information

Properties

Literature

Request for Quotation



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Services v
Resources v
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- > Services
- > Hot Products HOT
- > Order


CONTACT US

Email: info@alfa-chemistry.com
Tel: 1-201-478-8534
 1-516-662-5404
Fax: 1-516-927-0118
Address: 2200 Smithtown
 Avenue, Room 1 Ronkonkoma,
 NY 11779-7329 USA
 For product inquiries, please use
 our online system or send an
 email to
 inquiry@alfa-chemistry.com



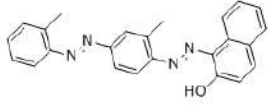
CHEMISTRY
PARTNER

Aims to be your chemistry
partner in custom
synthesis



Home > Product > Dyes > Solvent Dyes > Solvent Red 24

Solvent Red 24
PRICE INQUIRY

Catalog Number	ACM85836
Product Name	Solvent Red 24
Structure	
CAS Number	85-83-6
IUPAC Name	(1Z)-1-[[2-methyl-4-(2-methylphenyl)diazenylphenyl]hydrazinylidene]naphthalen-2-one
Synonyms	Scharlachrot, Lipid crimson, Scarlet oil, Scarlet red, Oil Scarlet, Hidaco Oil Red, Resoform Red G, Waxoline Red O, Fat Ponceau R, Lacquer Red V, Organol Red B, Rubrum scarlatinum, Waxoline Red OM, Waxoline Red OS, Candle Scarlet B, Candle Scarlet G, Tetrogras Red N, Lacquer Red VS, Somalia Red IV, Sudan P
Molecular Formula	C ₂₄ H ₂₀ N ₄ O
Molecular Weight	380.45
Exact Mass	380.16400
Boiling Point	260°C
Melting Point	199°C
Flash Point	424.365°C
Density	1.192 g/cm ³
Purity	PURIFIED
Appearance	dark red to brown crystals or powder
InChIKey	KMDLOETUWUPGMB-BXCCFQQFSA-N

H-Bond Donor	1
H-Bond Acceptor	5
Safety Description	S24/25
Hazard Statements	Xi: Irritant; T: Toxic;
WGK Germany	3
Stability	Stable. Incompatible with strong oxidizing agents.
MSDS	Download MSDS
COA	Download COA
Spec Sheet	Download Spec Sheet

Return to Home

Suppliers (69) Sort: Supplier: A to Z

Filter by

- Preferred Suppliers
 - No Preference (69)
- Supplier
 - Synnovator Product List (3)
 - Carbosynth Product List (2)
 - FUJIFILM Wako Chemicals Europe GmbH Product List (2)
 - FUJIFILM Wako Chemicals U.S.A. Corporation Product List (2)
 - FUJIFILM Wako Pure Chemical Corporation Product List (2)
 - View All
- Purity
 - ≥99% (1)

Supplier	Substance	Pur	Download Results	ility
Click Chemistry Stock Products United States	85-83-6 1-((2-Methylphenyl)diazenyl)-phenyl)diazenyl]-2-naphthol	95-9	Excel (.xlsx) (max 100) PDF	Ships within 1 week
			25.00 G, USD 54.30 100.00 G, USD 65.70 250.00 G, USD 97.40 1.00 KG, USD 230.80 2.50 KG, USD 461.60 View all Bulk	

1. 供應商結果集可以匯出為 Excel 或者 PDF 格式檔。
2. 點擊 CAS 登記號，查看物質資訊詳情。

點擊 CAS 登記號所獲介面

CAS RN
85-83-6
View Detail

CAS Name
Solvent Red 24

Substance Detail

Reactions (22)

Synthesize (2)

Create Retrosynthesis Plan

References (1,301)

Suppliers (69)

Edit Structure - Reset +

方法二：在物質結果集頁面，點擊相應的 Suppliers 獲得供應商資訊

The screenshot displays a web interface for searching chemical substances. On the left, a sidebar titled 'Structure Match' includes filters for 'As Drawn (74)', 'Substructure (282K)', and 'Similarity (7,473)'. Below this is a 'Filter by' section with 'Commercial Availability' (Available: 7, Not Available: 59), 'Reaction Role', 'Reference Role', 'Stereochemistry', 'Number of Components', 'Substance Class', 'Isotopes', 'Metals', 'Molecular Weight', 'Experimental Property', 'Experimental Spectrum', 'Regulatory Information', 'Bioactivity Indicator', and 'Search Within Results'. The main area is titled 'Substances (66)' and shows a grid of product cards. Each card includes a chemical structure, a name (e.g., L-Alanine, 1-methylethyl ester), a molecular formula, and buttons for 'References', 'Reactions', and 'Suppliers'. Red callout boxes with the number '1' point to the 'Commercial Availability' filter, and a box with '2' points to the 'Suppliers' button on the first product card.

1. 在物質結果集中，篩選有供應商資訊的物質
2. 點擊 Suppliers 按鈕，查看供應商資訊

方法三：在反應結果集中頁面點擊相應的 Suppliers 獲取供應商資訊


The screenshot displays a web interface for chemical reactions. On the left is a 'Filter by' sidebar with categories like Substance Role, Yield, Number of Steps, Experimental Protocols, Reaction Type, Stereochemistry, Reagent, Catalyst, Solvent, Commercial Availability, Reaction Notes, and Search Within Results. The main area is titled 'Reactions (4,604)' and shows 'Scheme 1 (1 Reaction) View'. The reaction scheme depicts the conversion of a complex starting material to a 7,7a-dihydroimidazo[1,2-d]-1,2,4-oxadiazole derivative. Below the scheme are two 'Suppliers' buttons: one for the starting material (2 suppliers) and one for the product (110 suppliers). A purple box with the number '1' highlights the 'Solvent' filter in the sidebar, and another purple box with the number '2' highlights the 'Suppliers (110)' button. Below the reaction scheme is a 'Reaction Summary' table with columns for Reagents, Catalysts, Solvents, and Conditions, and a 'View Reaction Detail' button. To the right of the table, the reaction title '7,7a-Dihydroimidazo[1,2-d]-1,2,4-oxadiazoles from imidazoles and benzonitrile oxide' is shown, along with the author 'By: Foti, Francesco; et al' and the journal reference 'Journal of Chemical Research, Synopses (1983), (9), 230-1'. A 'Full Text' button is also present.


1. 在反應結果集中，篩選起始物或者產物有供應商資訊的反應
2. 點擊 Suppliers 按鈕，查看供應商資訊


SciFinder[®] 使用技巧 | 將物質結果匯出為可以編輯的結構資料檔案

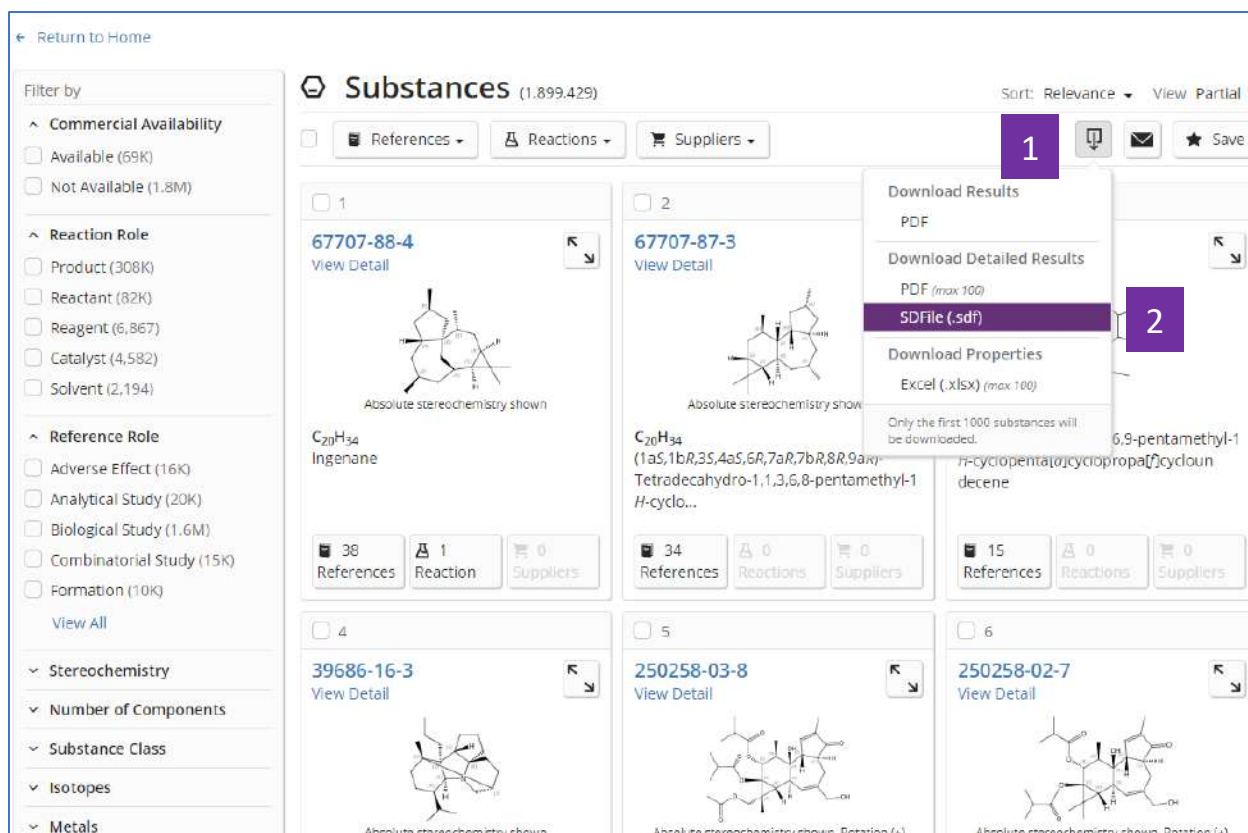
有以下三種方法可以將物質結果匯出為可以編輯的結構資料檔案：

直接在物質結果集中點擊 ，選擇 SDFFile，可以批量匯出可編輯的結構資料檔案。

若需要匯出某一物質結構資料檔案，則可以點擊該物質結構，在新視窗中點擊 ，選擇所需下載的結構資料檔案格式(CXF, MOL, SDF)


若需要匯出某一物質結構資料檔案及其屬性值，則可以點擊 substance detail，在新視窗中點擊 ，同時下載的結構資料檔案格式(CXF, MOL, SDF)和屬性值 (EXCEL) 檔。

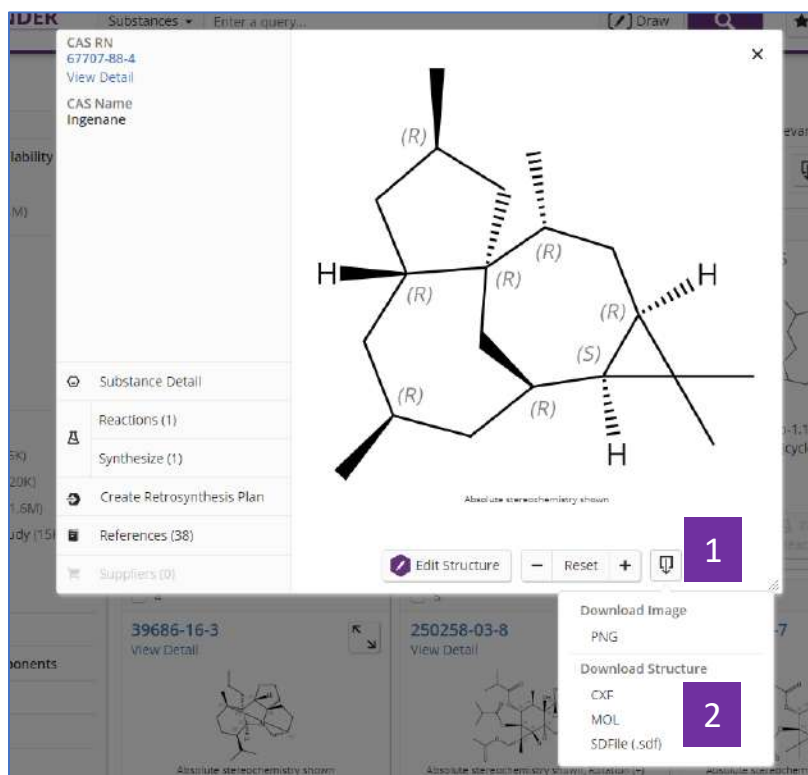
方法一：直接在物質結果集中點擊 ，選擇 SDFFile，可以批量匯出可編輯的結構資料檔案。





The screenshot displays the SciFinder 'Substances' search results page. On the left, there are filter panels for 'Commercial Availability', 'Reaction Role', 'Reference Role', 'Stereochemistry', 'Number of Components', 'Substance Class', 'Isotopes', and 'Metals'. The main area shows a grid of substance cards. A dropdown menu is open over the first card (ID 67707-88-4), showing options: 'Download Results' (PDF), 'Download Detailed Results' (PDF (max 100)), 'SDFFile (.sdf)', 'Download Properties' (Excel (.xlsx) (max 100)), and a note: 'Only the first 1000 substances will be downloaded.' A red box labeled '1' highlights the download icon in the top right of the grid, and another red box labeled '2' highlights the 'SDFFile (.sdf)' option in the dropdown menu.

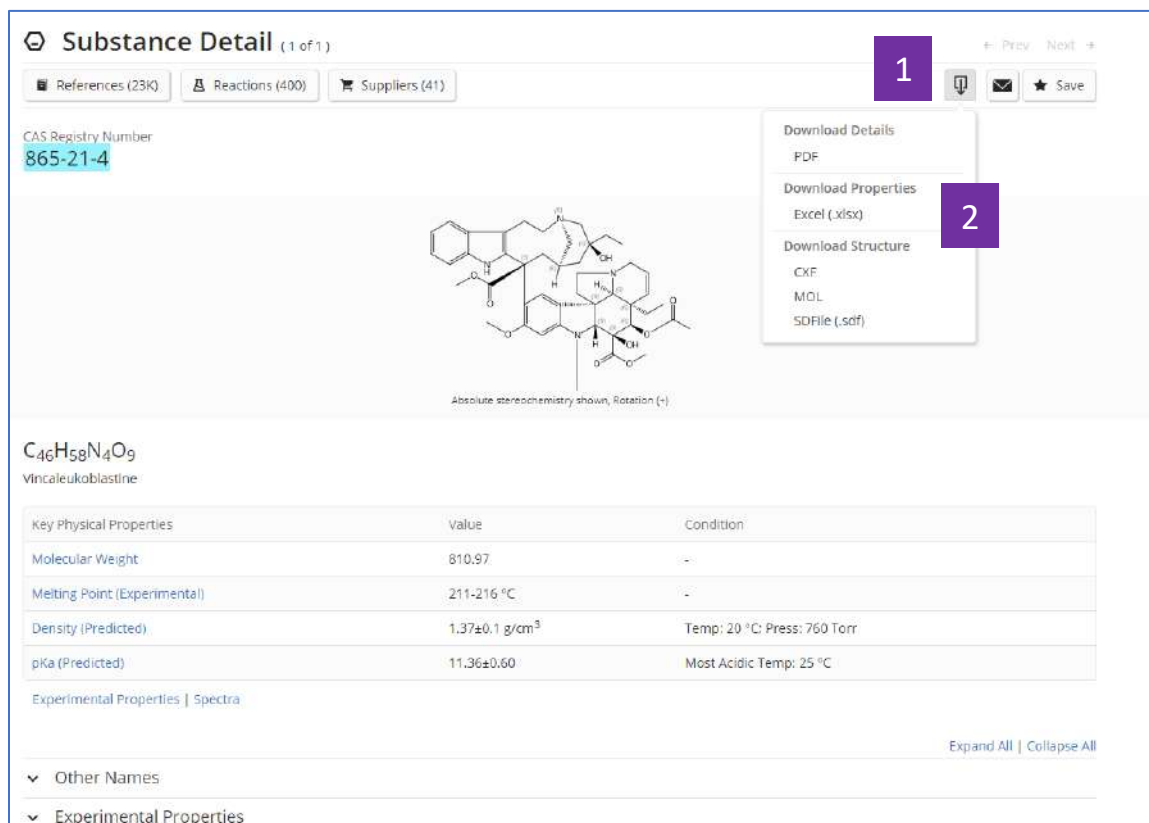
1. 點擊  按鈕
2. 選擇 SDFFile

方法二：若需要匯出某一物質結構資料檔案，則可以點擊該物質結構，在新視窗中點擊 ，選擇所需下載的結構資料檔案格式(CXF, MOL, SDF)



1. 點擊  按鈕
2. 選擇所需下載的結構資料檔案格式(CXF, MOL, SDF)

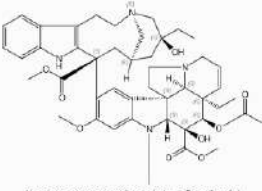
方法三：若需要匯出某一物質結構資料檔案及其屬性值，則可以點擊 substance detail，在新視窗中點擊 ，同時下載的結構資料檔案格式(CXF, MOL, SDF)和屬性值（EXCEL）檔。



Substance Detail (1 of 1)

References (23K) Reactions (400) Suppliers (41)

CAS Registry Number
865-21-4


Absolute stereochemistry shown, Rotation (-)

C₄₆H₅₈N₄O₉
Vincalukoblastine

Key Physical Properties	Value	Condition
Molecular Weight	810.97	-
Melting Point (Experimental)	211-216 °C	-
Density (Predicted)	1.37±0.1 g/cm ³	Temp: 20 °C Press: 760 Torr
pKa (Predicted)	11.36±0.60	Most Acidic Temp: 25 °C

Experimental Properties | Spectra

Expand All | Collapse All

Other Names

Experimental Properties

1. 點擊  按鈕
2. 所需下載的結構資料檔案格式(CXF, MOL, SDF)和屬性值檔 EXCEL

請注意：如果物質沒有結構或無法建模，則將無法使用此下載選項。

```

865-21-4 (1).sdf - Notepad
File Edit Format View Help
Vincal leukoblastine
C46H58N4O9
865-21-4 Copyright (C) 2019 ACS
62 70 0 0 1 0 0 0 0 0999 V2000
75193.548426691.5323 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
80891.129029975.8065 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
63326.612912592.7419 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
69024.1935 9308.4677 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
57629.0323 9308.4677 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
74721.774212592.7419 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
69024.193515895.1613 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
50969.7581 0.0000 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
75193.548419487.9032 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
84302.419424750.0000 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
90000.000021465.7258 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
84302.419431336.6935 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
26764.112919487.9032 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
19306.451623788.3065 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
20594.758136762.0968 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
14897.177440046.3710 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
20594.758130175.4032 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
8637.096836435.4839 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
60895.161354090.7258 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
66592.741950806.4516 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59770.161346070.5645 0.0000 O 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
57157.258129975.8065 0.0000 C 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
63326.612933586.6935 0.0000 C 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
57157.258122772.1774 0.0000 C 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0
44800.403229975.8065 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
50969.758133586.6935 0.0000 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
69495.967729975.8065 0.0000 C 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0

```

結構式資料 SDF 檔下載示例：

```

57 58 2 0 0 0 0
M END
> <cas.rn>
865-21-4

> <cas.index.name>
Vincal leukoblastine

> <molecular.formula>
C46H58N4O9

> <molecular.weight>
810.97

> <melting.point.experimental>
211-216 °C


> <density.predicted>
1.37±0.1 g/cm3 Temp: 20 °C; Press: 760 Torr

> <pka.predicted>
11.36±0.60 Most Acidic Temp: 25 °C

$$$$

```

屬性值 EXCEL 檔下載示例：

						
Copyright © 2019 American Chemical Society (ACS). All Rights Reserved.						
CAS Registry Number:		865-21-4				
CAS Display Name:		Vinblastine				
Type	Category	Property	Value and Units	Temperature	Pressure	pH
Experimental	Biological	Median Lethal Dose	15 mg/kg			
Experimental	Biological	Median Lethal Dose	15 mg/kg			
Experimental	Biological	Median Lethal Dose	7.3 mg/kg			
Experimental	Biological	Median Lethal Dose	5.6 mg/kg			
Experimental	Biological	Median Lethal Dose	3.12 mg/kg			
Experimental	Biological	Median Lethal Dose	0.34 mg/kg			
Experimental	Optical and Scattering	Optical Rotatory Power	+42 deg	26 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	+42 deg	26 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	+42 deg	26 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	+40 deg	23 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	+40 deg	23 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	+31 deg	25 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	-22 deg	25 °C		
Experimental	Optical and Scattering	Optical Rotatory Power	-32 deg	23 °C		
Experimental	Thermal	Melting Point	211-216 °C			
Experimental	Thermal	Melting Point	211-216 °C			
Experimental	Thermal	Melting Point	201-211 °C (decomp)			
Experimental	Thermal	Melting Point	201-211 °C			
Predicted	Biological	Bioconcentration Factor	1.0	25 °C		pH 1
Predicted	Biological	Bioconcentration Factor	1.28	25 °C		pH 2
Predicted	Biological	Bioconcentration Factor	1.50	25 °C		pH 3
Predicted	Biological	Bioconcentration Factor	2.04	25 °C		pH 4
Predicted	Biological	Bioconcentration Factor	13.9	25 °C		pH 5

SciFinderⁿ 使用技巧 | 特定反應類型的獲取及指定反應資訊來源

The screenshot displays the SciFinderⁿ search results for 'sofosbuvir'. The interface includes a search bar, navigation tabs, and a sidebar with filters. The main content area displays three reaction schemes. The first scheme is highlighted with a purple box containing the number '1', and the second scheme is highlighted with a purple box containing the number '2'. Each scheme shows the chemical structures of the reactants and products, along with the text 'Absolute stereochemistry shown'. The first scheme has a yield of 100% and 77 suppliers. The second scheme has a yield of 89% and 77 suppliers. The third scheme is partially visible at the bottom.

1. 在反應結果集頁面，通過左側 **Reaction Type**，查看反應性質為完整反應或僅有產物的反應
2. 在反應結果集頁面，通過左側 **Reaction Notes**，流覽或選擇感興趣的反應類型

SciFINDERⁿ
A CAS SOLUTION

Reactions 1190307-88-0

Draw

Document Type

Language

Publication Name **1**

- World Intellectual Property Organization (266)
- China (138)
- United States (73)
- India (43)
- European Journal of Organic Chemistry (36)
- Bioorganic & Medicinal Chemistry (5)
- Journal of Organic Chemistry (4)
- Organic Letters (4)
- Journal of Medicinal Chemistry (3)
- European Patent Organization (2)
- IP.com Journal (2)
- Czech Republic (1)
- Journal of the American Chemical Society (1)
- Topics in Heterocyclic Chemistry (1)

[View Fewer](#)

Yield: 89%

Suppliers (77)

Expand Scheme

Scheme 4 (8 Reactions) [View All](#)

Steps: 1
Yield: 83-88%

Suppliers (63)

Suppliers (102)

Suppliers (77)

Expand Scheme

Scheme 5 (1 Reaction) [View](#)

Steps: 1
Yield: 87%

1. 在反應結果集頁面，通過左側的 **Publication Name**，可以選擇自己感興趣的反應來源