Yi- Hsiang Chen Ph.D.
s9823566@gmail.com

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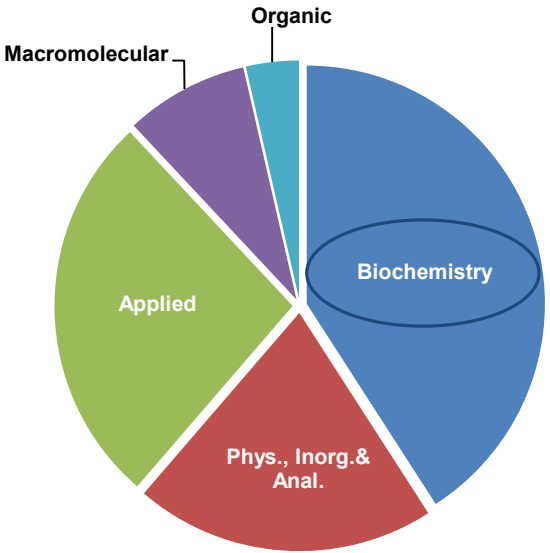
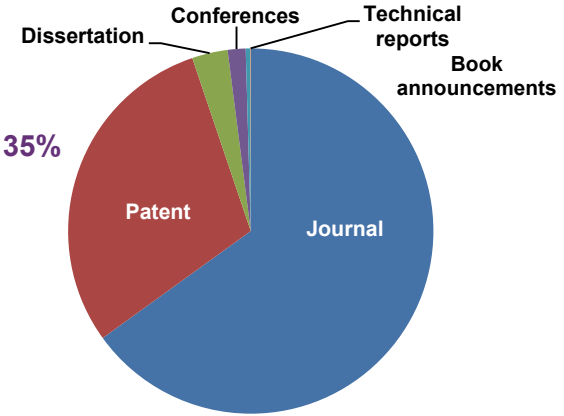
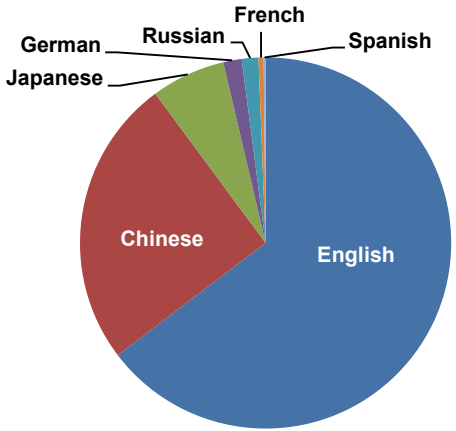
Discipline areas – 61% not in traditional chemistry



Disclosure types – 35% not published in journals





Original publication languages – 35% not published in English

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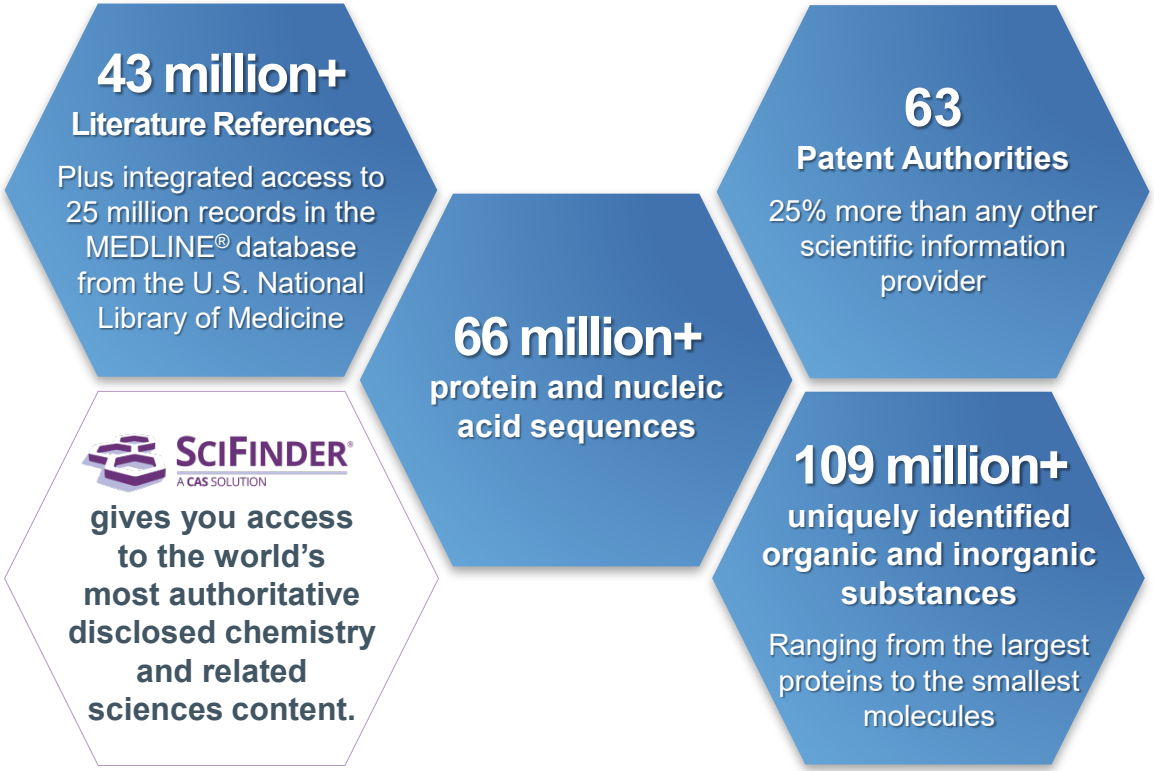

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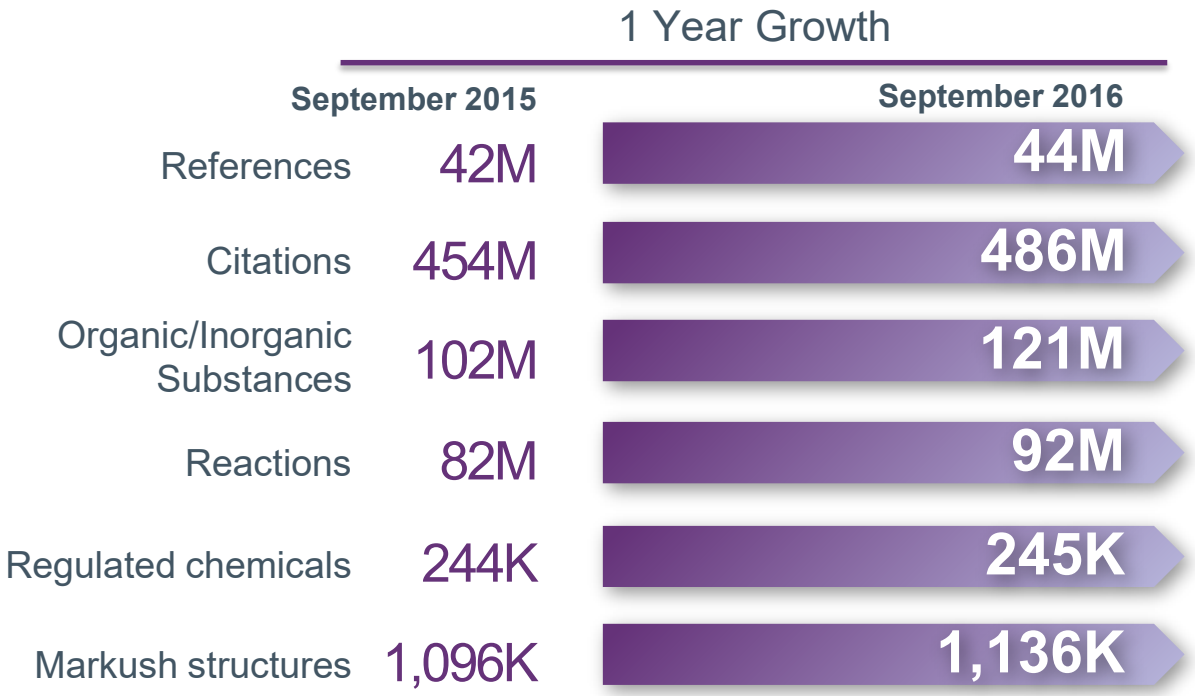

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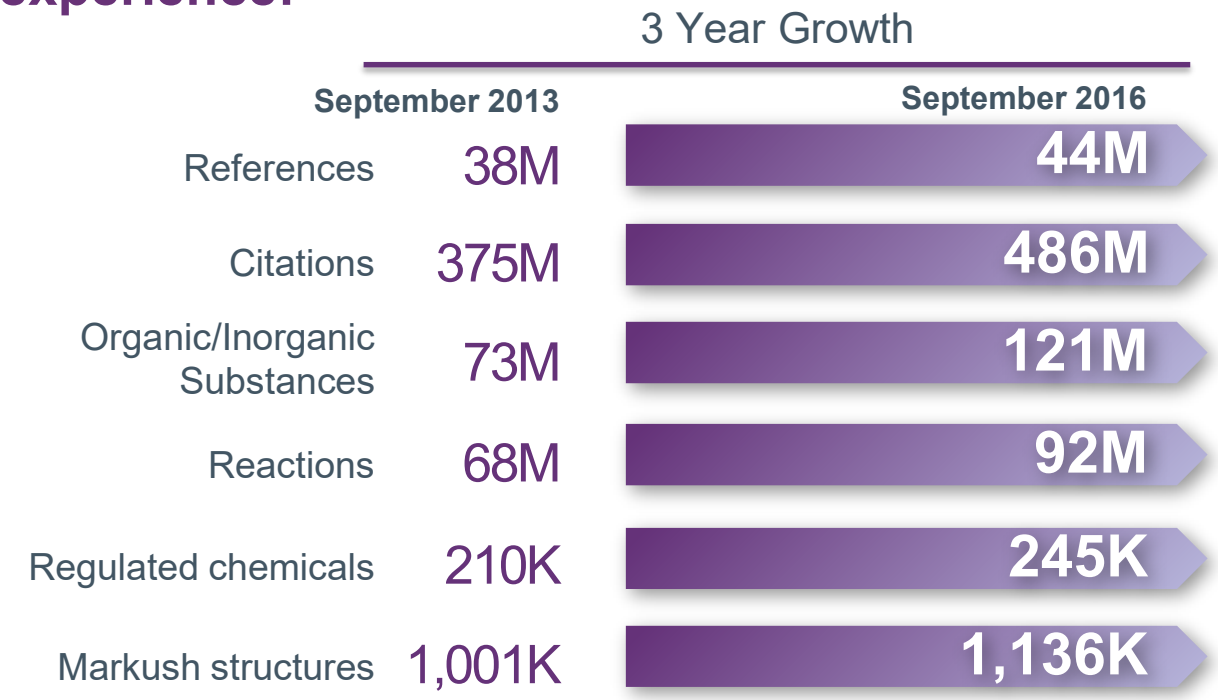

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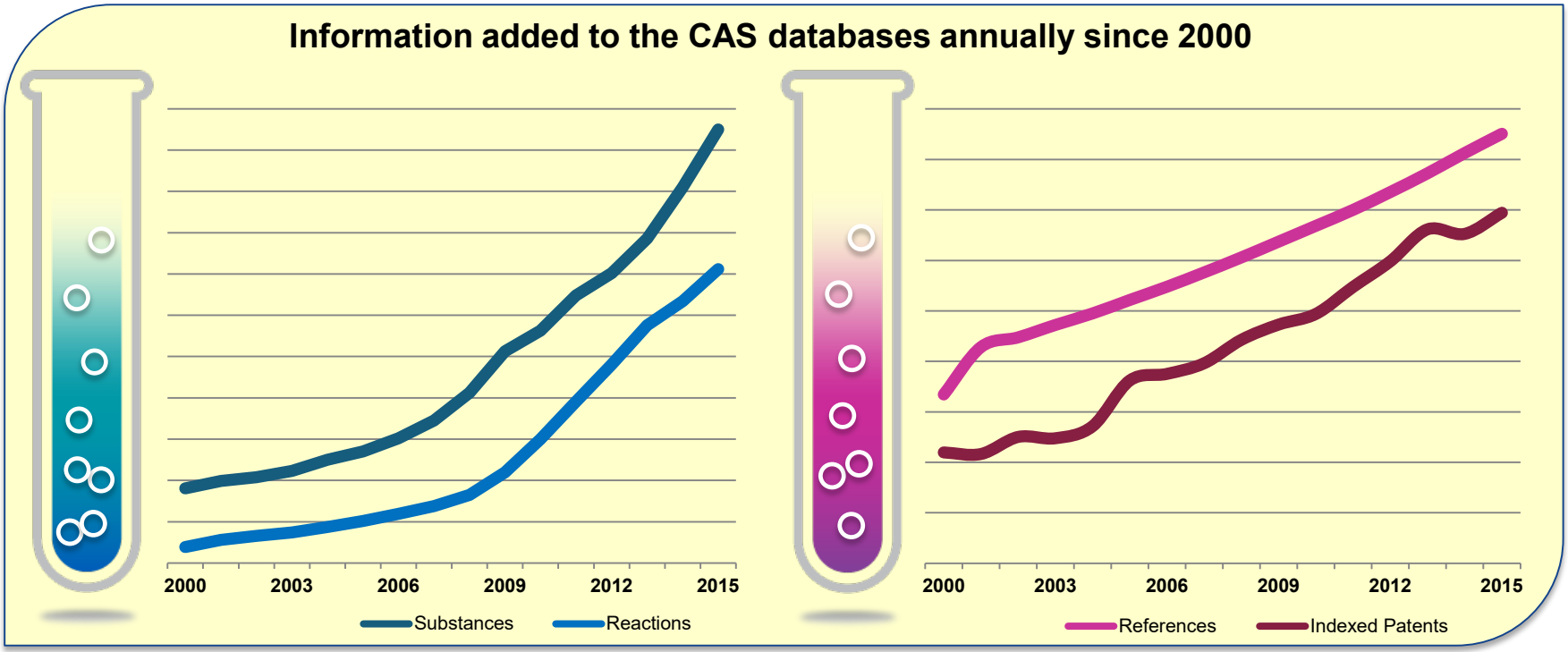

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Molecular Biology and Genetics

- *Annual Review of Genetics*
- *Cell*
- *Developmental Cell*
- *Genome Research*
- *Journal of Cell Biology*
- *Molecular Genetics and Genomics*
- *Nature*
- *New England Journal of Medicine*
- *Proceedings of the National Academy of Sciences*
- *Science*

Biochemistry ACS Chemical Biology

- *ACS Synthetic Biology*
- *Annual Review of Biochemistry*
- *Biochemistry and Cell Biology*
- *Cellular Physiology and Biochemistry*
- *Journal of Biological Chemistry*
- *Journal of Cellular Biochemistry*
- *Molecular and Cellular Biochemistry*
- *Preparative Biochemistry and Biotechnology*

Pharmaceuticals and Medicinal Chemistry

- *Advanced Drug Delivery Reviews*
- *Annual Review of Pathology: Mechanisms of Disease*
- *Anti-Inflammatory Anti-Allergy Agents in Medicinal Chemistry*
- *Circulation Research*
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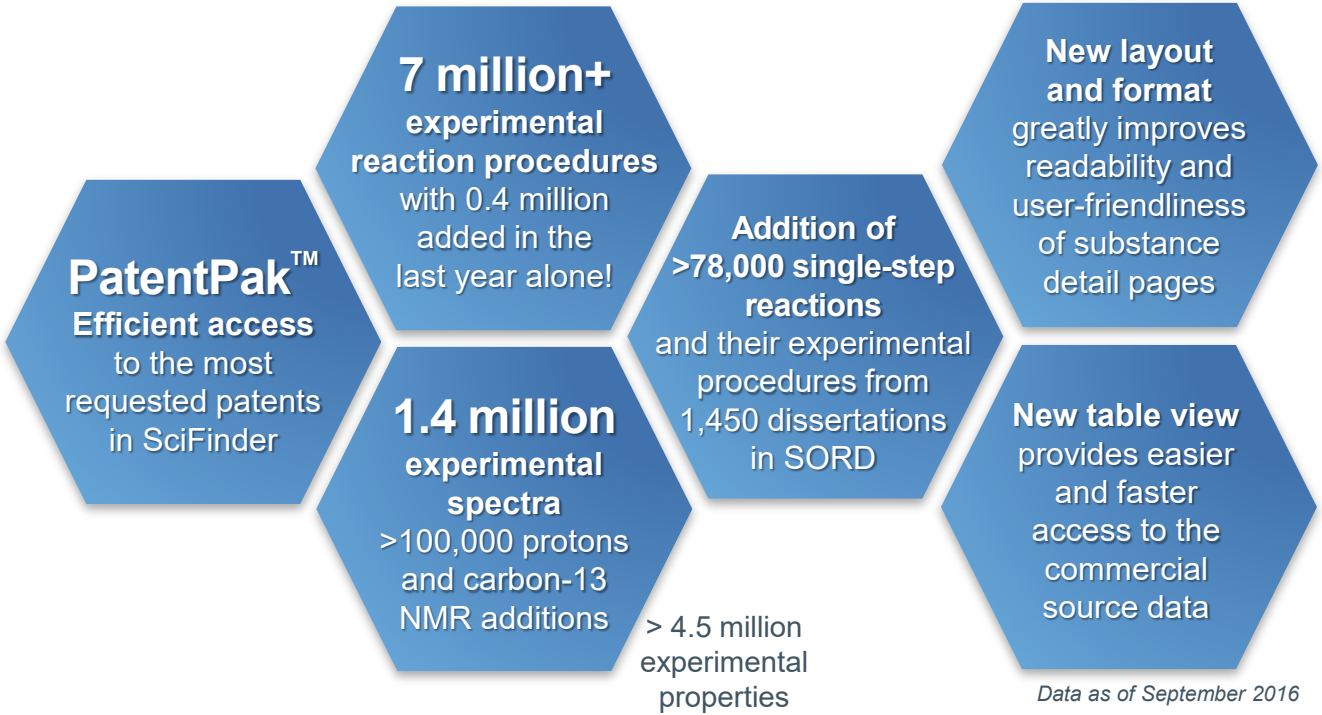

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48. CAS Registry Number 50-23-7

~55,285 ~205

$C_{21}H_{30}O_5$

Pregn-4-ene-3,20-dione, 11,17,21-trihydroxy-, (11β)-

Molecular Weight
362.46

pKa (Predicted)
Value: 12.47±0.70 | Condition: Most Acidic Temp: 25 °C

Melting Point (Experimental)
Value: 217-220 °C (decomp)

Boiling Point (Predicted)
Value: 566.4±50.0 °C | Condition: Press: 760 Torr

Density (Experimental)
Value: 1.4 g/cm3

Other Names
Cortisol (8CI)
11β,17,21-Trihydroxypregn-4-ene-3,20-dione
11β,17,21-Trihydroxyprogesterone
11β,17α,21-Trihydroxypregn-4-ene-3,20-dione
11β-Hydroxycortisone
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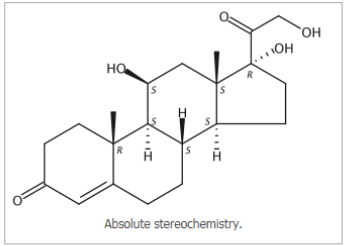

Absolute stereochemistry.

BIOACTIVITY INDICATORS

Indicators	References
Anti-infective agents (all) > > > Antibacterial agents	220
Anti-infective agents (all) > > Antibiotics	338
Anti-infective agents (all) > > Antimicrobial agents	122
Anti-infective agents (all) > > > Antiviral agents	179
Anti-infective agents (all) > > Fungicides	226
Anti-inflammatory agents (all) > Antiarthritics	64
Anti-inflammatory agents (all) > Anti-inflammatory agents	871
Anti-inflammatory agents (all) > Antirheumatic agents	98
Anti-inflammatory agents (all) > Nonsteroidal anti-inflammatory drugs	265
Antitumor agents (all) > Antiangiogenic agents	60
Antitumor agents (all) > Antitumor agents	404
Dermatological agents (all) > Dermatological agents	73
Immune agents (pharmaceutical) > Allergy inhibitors	83
Immune agents (pharmaceutical) > > Immunomodulators	117
Immune agents (pharmaceutical) > > Immunosuppressants	213
Natural products, pharmaceutical	89
Nervous system agents (all) > > > Analgesics	216
Nervous system agents (all) > > Anesthetics	209
Receptor antagonists (all) > > Antihistamines	124
Respiratory system agents (all) > Antiasthmatics	104
Wound healing promoters	55

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- non-existent

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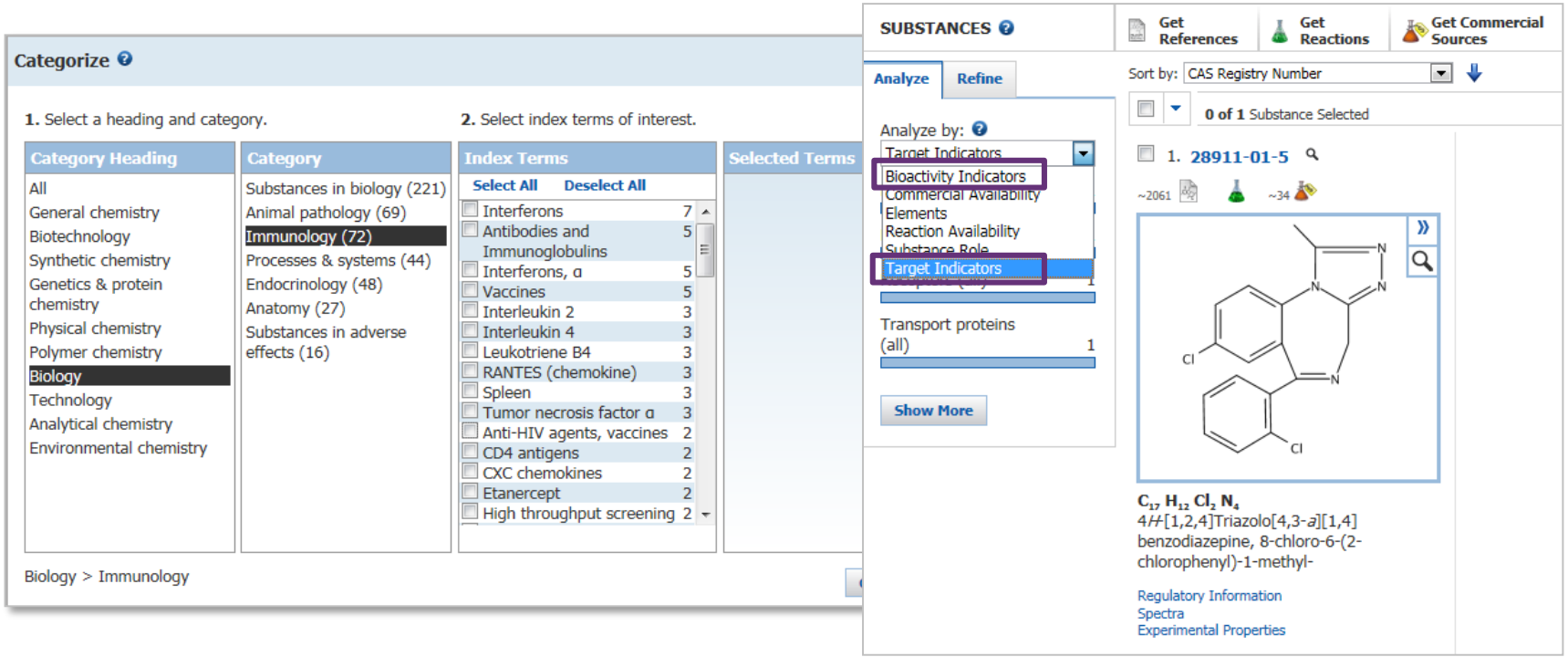

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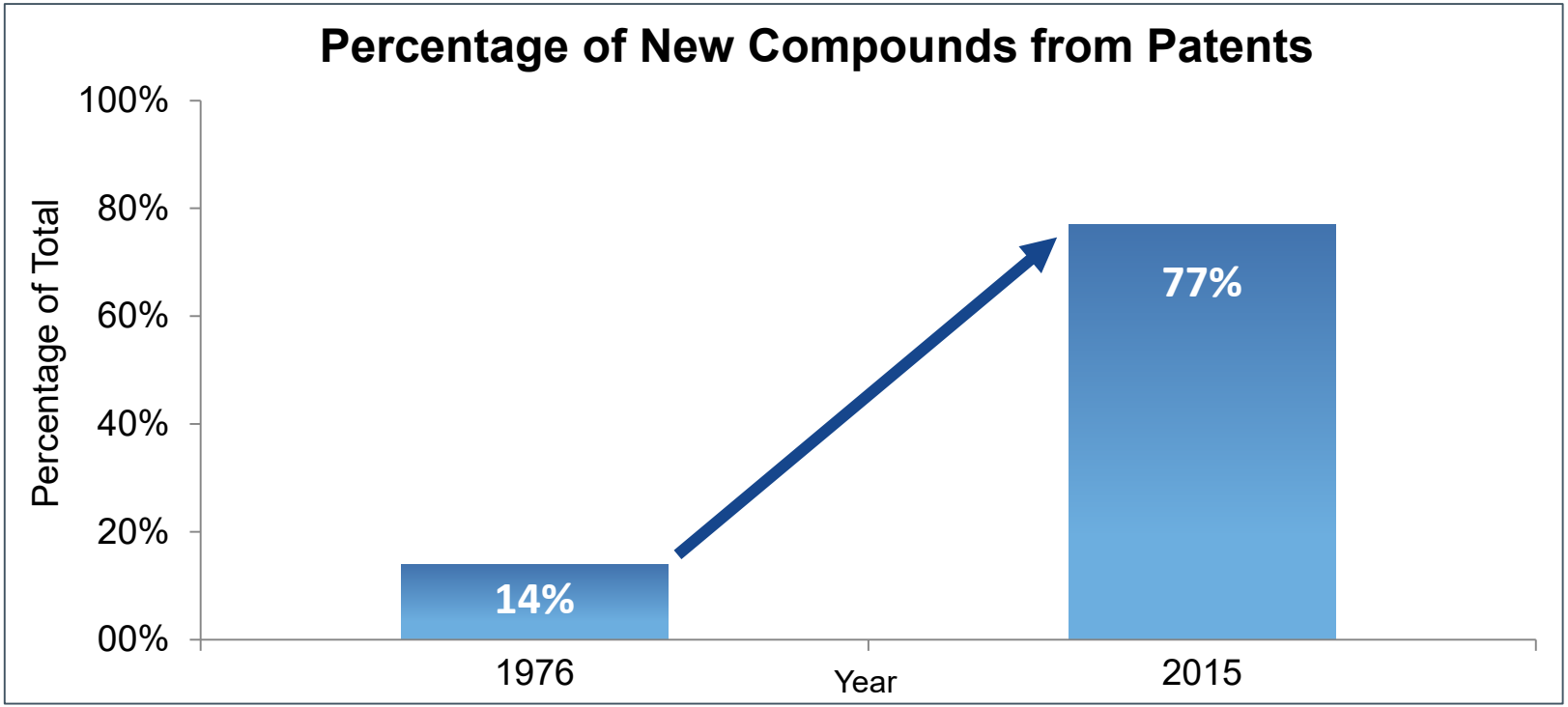
Increasingly, new compounds in the literature are first disclosed in patents



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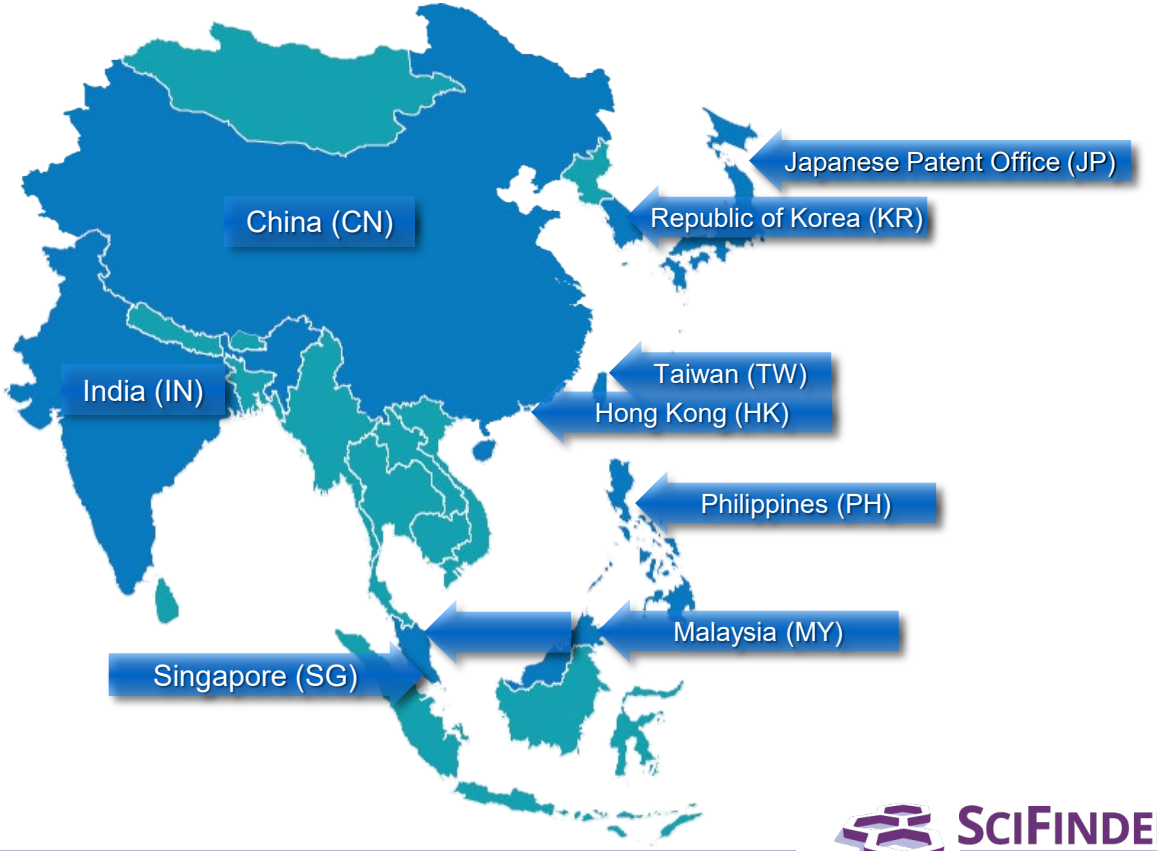
CAplus coverage of patents from Asia is unmatched



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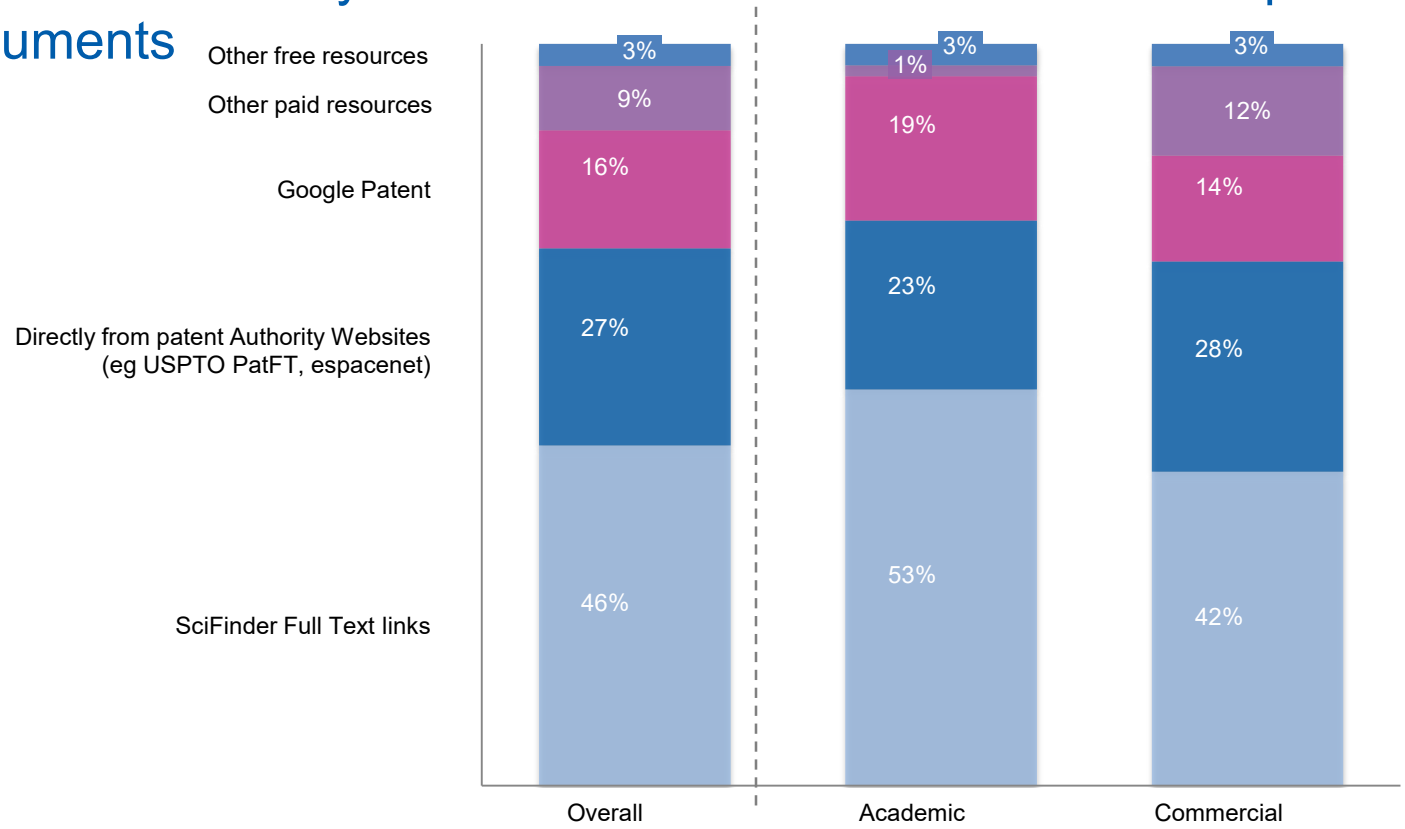

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Source: September 2014 SciFinder Patent User Survey

Unlike its competitors, CAS covers patents in many languages, with enhanced translations

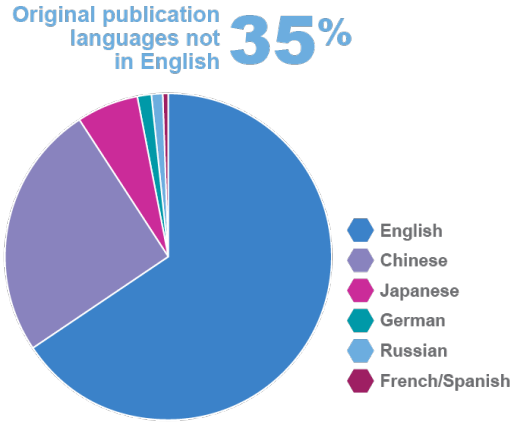
9. **Process for the preparation of favipiravir**

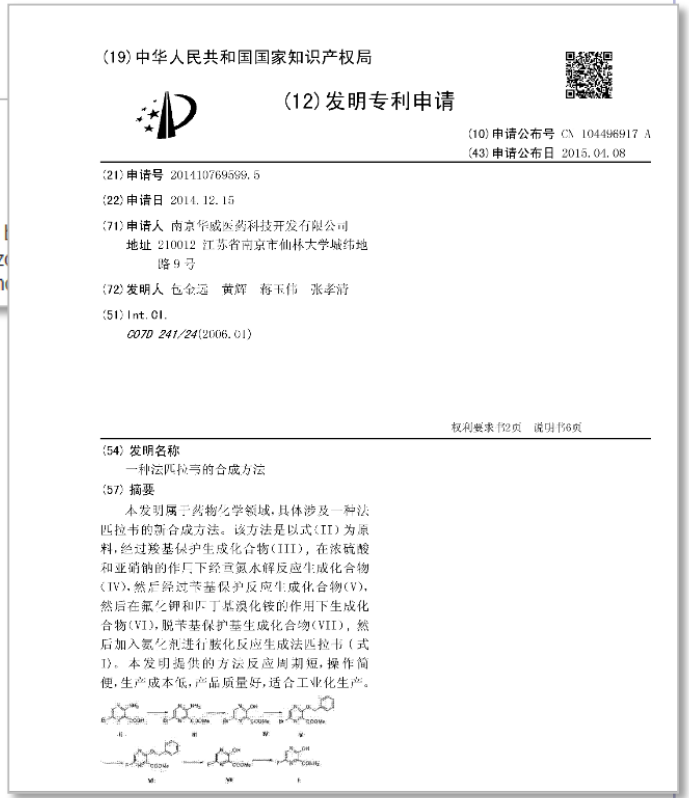
Quick View PATENTPAK

Patent No.	Kind	Language
CN 104496917	A	Chinese

By Bao, Jinyuan; H…qing
From Faming Zhua… A 20150408. | Language: Chinese, Database: CAPLUS

The inventio… prepn. of favipiravir. For example, favipiravir was prepd. … bromopyrazine-2-carboxylic acid to afford Me 3-amino-6-bromopyrazine-2-carboxylate, which underwent diaz… and fluorination to afford Me 3-(benzyloxy)-6-fluoropyrazine-2-carboxylate, which underwent debenzylation an…





(19)中华人民共和国国家知识产权局

(12)发明专利申请

(10)申请公布号 CN 104496917 A
(43)申请公布日 2015.04.08

(21)申请号 201410769589.5

(22)申请日 2014.12.15

(71)申请人 南京华威医药科技开发有限公司
地址 210012 江苏省南京市仙林大学城纬地路9号

(72)发明人 包金远 黄辉 梅玉伟 张孝清

(51)Int.Cl.
C07D 241/24(2006.01)

权利要求书2页 说明书6页

(54)发明名称
一种法匹拉韦的合成方法

(57)摘要
本发明属于药物化学领域，具体涉及一种法匹拉韦的新合成方法。该方法是以式(II)为原料，经过羧基保护生成化合物(III)，在浓硫酸和亚硝钠的作用下经亚氨水解反应生成化合物(IV)，然后经过苄基保护反应生成化合物(V)，然后在氟化钾和四丁基溴化铵的作用下生成化合物(VI)，脱苄基保护基生成化合物(VII)，然后加入氨乙基进行胺化反应生成法匹拉韦(式I)。本发明提供的方法反应周期短，操作简便，生产成本低，产品质量好，适合工业化生产。

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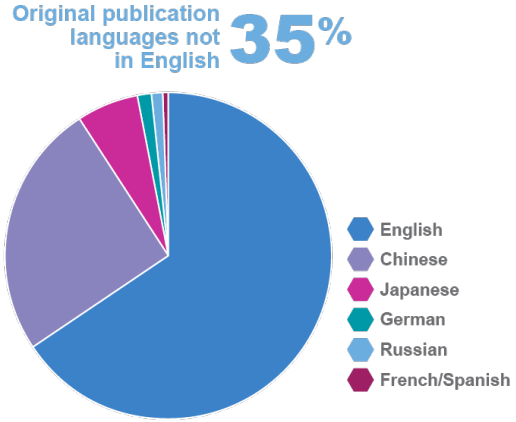

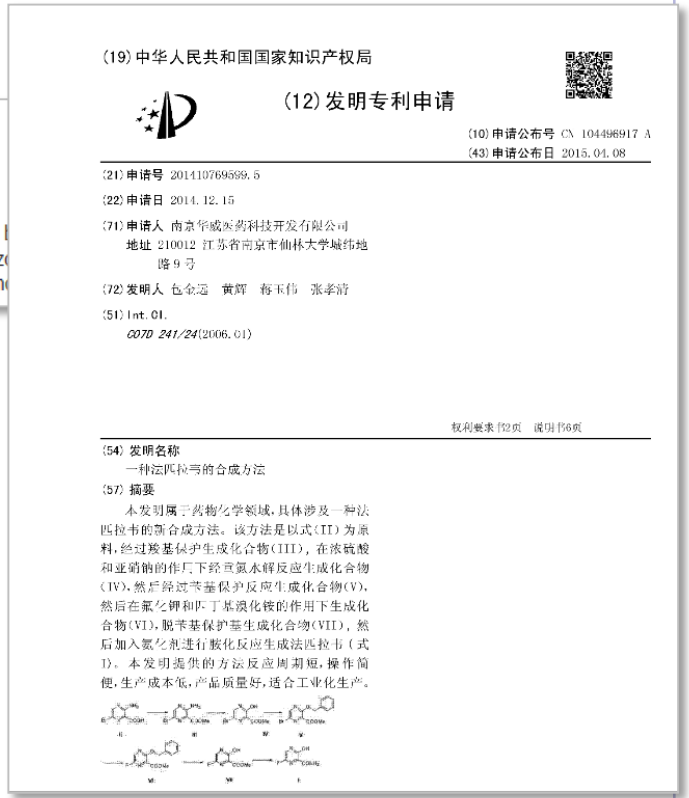

(19)中华人民共和国国家知识产权局

(12)发明专利申请

(10)申请公布号 CN 104496917 A
(43)申请公布日 2015.04.08

(21)申请号 201410769589.5

(22)申请日 2014.12.15

(71)申请人 南京华威医药科技开发有限公司
地址 210012 江苏省南京市仙林大学城纬地路9号

(72)发明人 包金远 黄辉 梅玉伟 张孝清

(51)Int.Cl.
C07D 241/24(2006.01)

权利要求书2页 说明书6页

(54)发明名称
一种法匹拉韦的合成方法

(57)摘要
本发明属于药物化学领域，具体涉及一种法匹拉韦的新合成方法。该方法是以式(II)为原料，经过羧基保护生成化合物(III)，在浓硫酸和亚硝钠的作用下经重氮水解反应生成化合物(IV)，然后经过苄基保护反应生成化合物(V)，然后在氟化钾和四丁基溴化铵的作用下生成化合物(VI)，脱苄基保护基生成化合物(VII)，然后加入氨气进行酰化反应生成法匹拉韦(式I)。本发明提供的方法反应周期短，操作简便，生产成本低，产品质量好，适合工业化生产。

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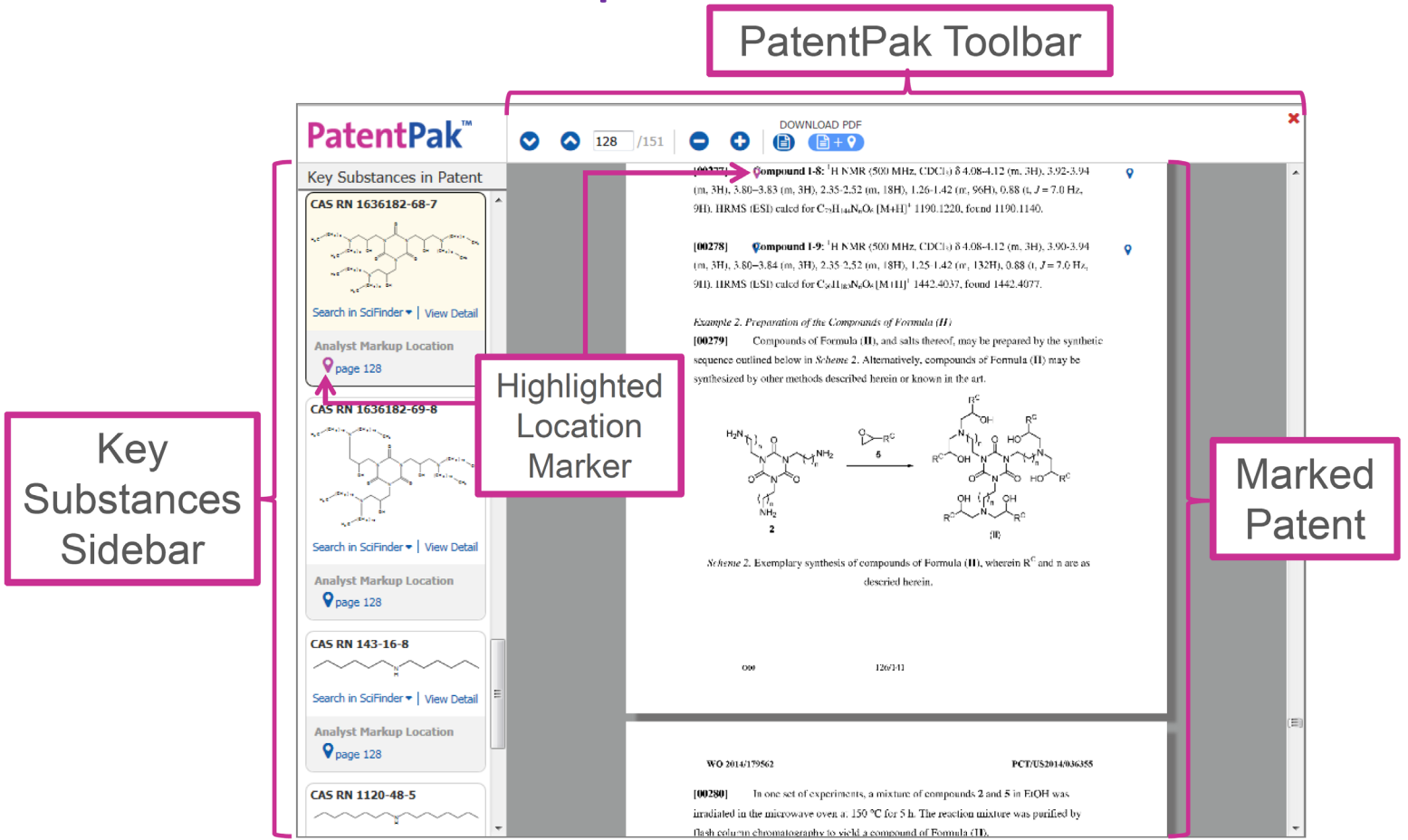

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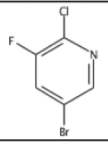
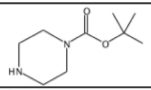
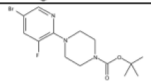
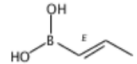
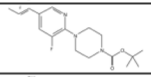
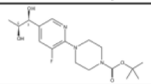
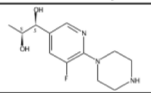
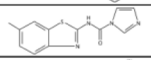
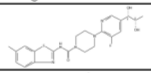
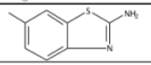
Key Substances in Patent

Mark	Page #	CAS RN	Name	Structure
101	p.151	831203-13-5	Pyridine, 5-bromo-2-chloro-3-fluoro-	
102	p.151	57260-71-6	1-Piperazinecarboxylic acid, 1,1-dimethylethyl ester	
103	p.151	1289048-68-5	1-Piperazinecarboxylic acid, 4-(5-bromo-3-fluoro-2-pyridinyl)-, 1,1-dimethylethyl ester	
104	p.151	7547-97-9	Boronic acid, *B*-(1*E*)-1-propen-1-yl-	
105	p.151	1416788-07-2	1-Piperazinecarboxylic acid, 4-[3-fluoro-5-(1*E*)-1-propen-1-yl-2-pyridinyl]-, 1,1-dimethylethyl ester	
106	p.151	1416788-08-3	1-Piperazinecarboxylic acid, 4-[5-[(1*S*,2*S*)-1,2-dihydroxypropyl]-3-fluoro-2-pyridinyl]-, 1,1-dimethylethyl ester	
107	p.151	1416788-09-4	1,2-Propanediol, 1-[5-fluoro-6-(1-piperazinyl)-3-pyridinyl]-, (1*S*,2*S*)-	
108	p.151	833491-50-2	1*H*-Imidazole-1-carboxamide, *N*-(6-methyl-2-benzothiazolyl)-	
121	p.151	1416788-16-3	1-Piperazinecarboxamide, 4-[5-[(1*S*,2*S*)-1,2-dihydroxypropyl]-3-fluoro-2-pyridinyl]-*N*-(6-methyl-2-benzothiazolyl)-	
109	p.153	2536-91-6	2-Benzothiazolamine, 6-methyl-	

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Reference :Research Topic

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主題搜索範例(Aqueous Pigment):

主題搜索範例(Aqueous Pigment):

Research Topic "aqueous pigment" > references (673) > [illegible]

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專利626篇 期刊 47篇

1. **Aqueous pigment dispersion and aqueous ink [Machine Translation].**

Quick View | Other Sources

By Kawaharada, Yukihiko

From Jpn. Kokai Tokkyo Koho (2016), JP 2016169286 A 20160923. | Language: Japanese, Database: CAPLUS

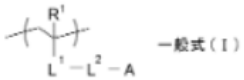
[Machine Translation of Descriptors]. To provide an aq. **pigment** dispersion having excellent dispersion stability of fine particle size, and excellent optical d. of the resulting image, and aq. ink. The aq. **pigment** dispersion comprises at least, a **pigment** (A), anionic group-contg. org. polymer compd. (B), copolymer (C) of (meth)acrylic acid, (meth)acrylate and acrylate having a polyoxyethylene group contg. linear or branched alkyl group with 18-22 carbon at the end, and the mass ratio of component (C) and **pigment** (A) is in the range of 1/1000-7/100, and the aq. ink using the same.

2. **Aqueous pigment dispersions with good dispersibility and stability, and aqueous ink compositions using them**

Quick View | PATENTPAK

By Kato, Takahiro

From Jpn. Kokai Tokkyo Koho (2016), JP 2016160331 A 20160905. | Language: Japanese, Database: CAPLUS



一般式(I)

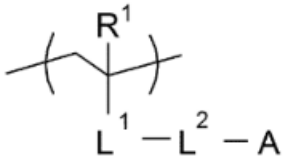
The **pigment** dispersions contain (A) aq. media, (B) pigments, and (C) polymer dispersants having (c1) constitutional units of $CH_2CR^1(L^1L^2A)$ (R^1 = H, Me; L^1 = CO_2, O_2C, $CONR^2$, phenylene; R^2 = H, C_{1-6} alkyl; L^2 = single bond, C_{1-12} alkylene, C_{2-12} alkenylene, CO, NR^6, O, S, SO, SO_2, these combined divalent group; R^6 = H, C_{1-6} alkyl; A = C_{6-} polycyclic structure), (c2) constitutional units having ionic groups, and (c3)

主題搜索範例(Aqueous Pigment): 專利檢索

2. Aqueous pigment dispersions with good dispersibility and stability, and aqueous ink compositions using them

By: Kato, Takahiro
Assignee: Fujifilm Corp., Japan

The pigment dispersions contain (A) aq. media, (B) pigments, and (C) polymer dispersants having (c1) constitutional units of $CH_2CR^1(L^1L^2A)$ (R^1 = H, Me; L^1 = CO_2, O_2C, $CONR^2$, phenylene; R^2 = H, C_{1-5} alkyl; L^2 = single bond, C_{1-12} alkylene, C_{2-12} alkenylene, CO, NR^3, O, S, SO, SO_2, these combined divalent group; R^3 = H, C_{1-5} alkyl; A = C_{25} polycyclic structure), (c2) constitutional units having ionic groups, and (c3) SR^3 or $SR^4CO_2R^5$ (R^3 = alkyl, aryl; R^4 = alkylene; R^5 = H, alkyl). Thus, an aq. dispersion contg. Pigment Yellow (TRY 13), N-(vinylbenzyl)acridone-benzyl methacrylate-Me methacrylate-methacrylic acid copolymer potassium salt prepd. in the presence of 3-mercaptopropionic acid, and dipropylene glycol showed vol.-av. particle size 70-100 nm, viscosity 10-40 mPa-s, change in particle diam. and viscosity after storing at 60° for 24 h 30-50 nm and 30-50 mPa-s, resp., and dispersing time (vol.-av. particle diam. ≤100 nm) ≤2 h.



一般式（Ⅰ）

對於63專利局發表專利內容，皆轉成英文檢索，如:摘要、概念、每一物質主旨,並能做全文下載。

Patent Information

Patent No.	Kind	Language	Date	Application No.	Date
JP 2016160331 PATENTPAK	A		Sep 5, 2016	JP 2015-39546	Feb 27, 2015

Priority Application

JP 2015-39546	Feb 27, 2015

Indexing

Coatings, Inks, and Related Products (Section42-12)

Concepts

Disperse systems — Dispersing agents

aq. pigment dispersions with good dispersibility and stability for aq. ink compns.

Jet-printing inks

Substances

6358-31-2 C.I. Pigment Yellow 74 — Page 26 in PATENTPAK

TRY 13; aq. pigment dispersions with good dispersibility and stability for aq. ink compns.

Technical or engineered material use; Uses

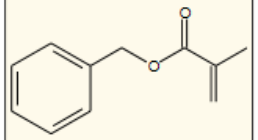
主題搜索範例(Aqueous Pigment): 互動式專利內文(全文直接下載)

PATENTPAK A CAS SOLUTION

PAGE 19 /31 | ZOOM | DOWNLOAD PDF

Key Substances in Patent

CAS RN 2495-37-6

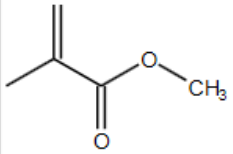


Search in SciFinder | View Detail

Analyst Markup Locations (1)

page 19

CAS RN 80-62-6



Search in SciFinder | View Detail

Analyst Markup Locations (1)

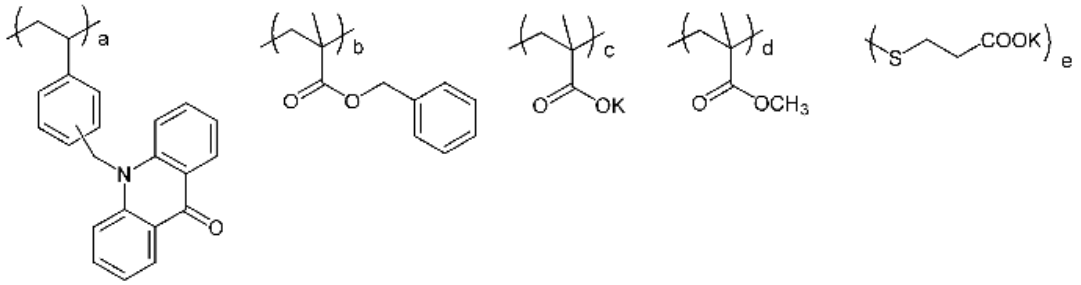
page 19

CAS RN 79-41-4

下記構造のポリマーからなる分散剤を合成した。

【００９４】

【化８】



Ｐ－１

ａ：ｂ：ｃ：ｄ：ｅ＝５：３７：２５：３１：２（質量％）のランダムポリマー

【００９５】

攪拌機、冷却管を備えた２０００ｍｌの三口フラスコにジプロピレングリコール１９８ｇを加え窒素雰囲気下で８５℃に加熱した。

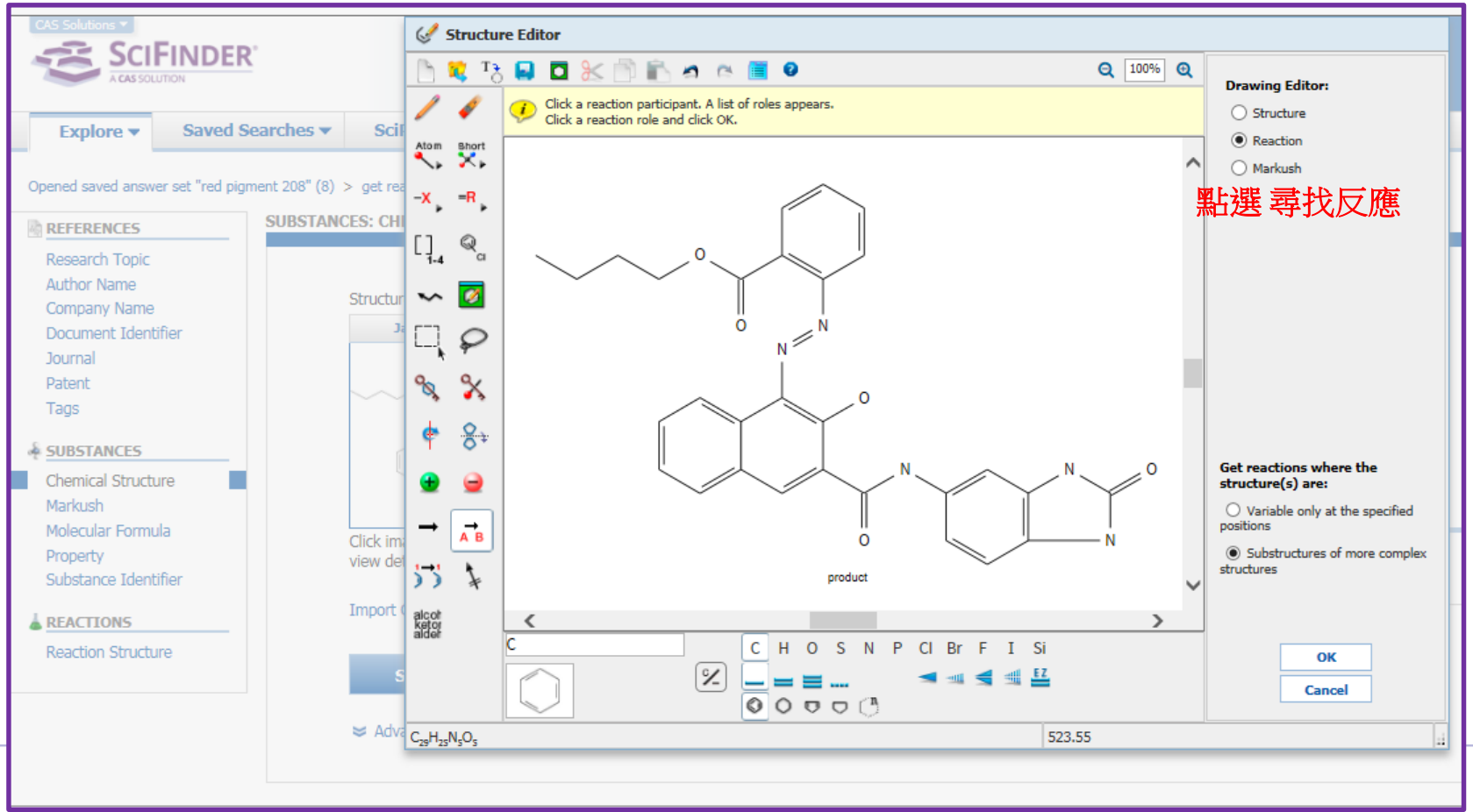
モノマーとして下記モノマーＡを２２．５ｇ、ベンジルメタクリレートを１６６．５ｇ、メタクリル酸メチルを１３９．５３ｇ、メタクリル酸を１１２．５ｇ、連鎖移動剤として3- メルカプトプロピオン酸を８．９７ｇ、１６６ｇのジプロピレングリコールに溶解

Substance reaction Research

Pigment Red 208

SciFinder® A CAS SOLUTION

合成方法搜尋範例(C.I. Pigment Red 208):



合成方法搜尋範例(C.I. Pigment Red 208):

Reaction Structure substructure > **reactions (8)** 搜尋出8種合成 **Pigment Red 208** 合成方法

REACTIONS | Get References | Tools | Send to SciPlanner

Analyze | Refine

Group by: No Grouping | Sort by: Relevance | Display Options

0 of 8 Reactions Selected

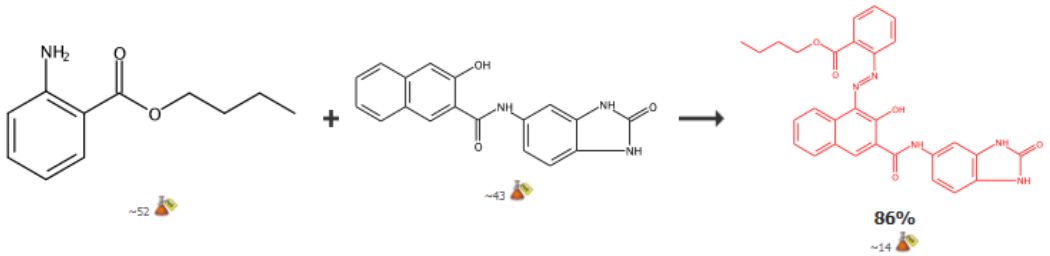
Analyze by: Reagent

H_2SO_4	5
HCl	5
$NaNO_2$	5
NaOH	5
70434-12-7	3
KOH	3
H_2NSO_3H	2
134-20-3	1
AcOH	1
$O=C(NH_2)_2$	1

Show More

1. View Reaction Detail | Link | Similar Reactions

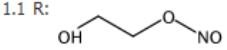
Single Step *Hover over any structure for more options.*



Overview

Steps/Stages

1.1 R:



R:H_2SO_4, S:$(CH_2OH)_2$

1.2 R:KOH, S:$(CH_2OH)_2$

Notes

Reactants: 2, Reagents: 3, Solvents: 1, Steps: 1, Stages: 2, Most stages in any one step: 2

References

The synthesis of monoazo pigments derived from 5-(3'-hydroxy-2'-naphthoylamino)-benzimidazol-2-one

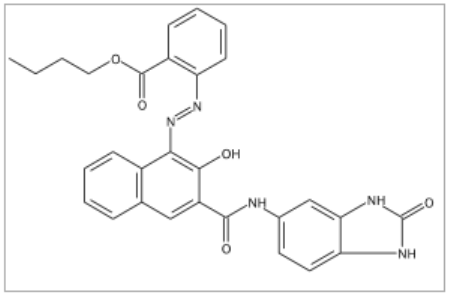
Quick View | Other Sources

By Boruszczak, Zygmunt and Kraska, Jan

From Dyes and Pigments, 25(1), 59-67; 1994

合成方法搜尋範例(C.I. Pigment Red 208):

CAS Registry Number 31778-10-6



$C_{38}H_{34}N_6O_6$

Benzoic acid, 2-[2-[3-[[(2,3-dihydro-2-oxo-1*H*-benzimidazol-5-yl) amino]carbonyl]-2-hydroxy-1-naphthalenyl]diazenyl]-, butyl ester

Molecular Weight
523.54

Boiling Point (Predicted)
Value: 632.0±55.0 °C | Condition: Press: 760 Torr

Density (Predicted)
Value: 1.39±0.1 g/cm3 | Condition: Temp: 20 °C Press: 760 Torr

pKa (Predicted)
Value: 11.41±0.30 | Condition: Most Acidic Temp: 25 °C

Other Names

Benzoic acid, 2-[[3-[[(2,3-dihydro-2-oxo-1*H*-benzimidazol-5-yl)amino] carbonyl]-2-hydroxy-1-naphthalenyl]azo]-, butyl ester (9CI)
Benzoic acid, *o*-[[2-hydroxy-3-[(2-oxo-5-benzimidazolinyl)carbamoyl] -1-naphthyl]azo]-, butyl ester (8CI)
5-[4-[*o*-(Butoxycarbonyl)phenylazo]-3-hydroxy-2-naphthamido]-2-benzimidazolinone
C.I. 12514
C.I. Pigment Red 208
Graphitol Red HF 2B
HF 2B01
Hostaprint Red HF 2B32
Novoperm Red HF 2B
Novoperm Red HF 2B01
PV Red HF 2B
Pigment Red 208
View less...

可直接獲取此物質資訊，文獻或商業來源

Expand All | Collapse All

▾ EXPERIMENTAL SPECTRA

IR

IR Properties	Value	Condition	Note
IR Absorption Spectrum	See spectrum		(1)WSS
IR Absorption Spectrum	See spectrum		(1)WSS

Notes

(1) WSS: Spectral data were obtained from Wiley Subscription Services, Inc. (US)

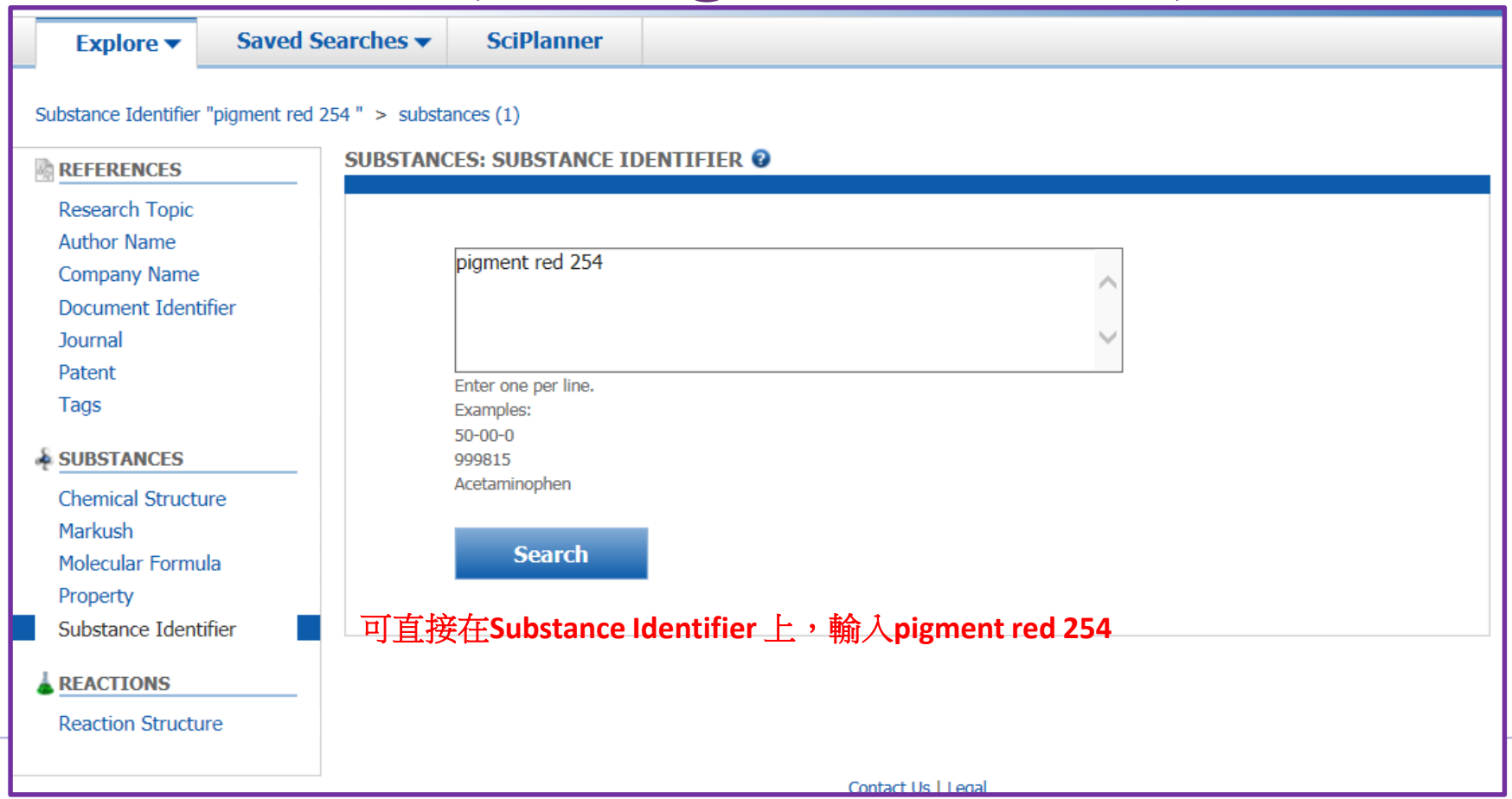
▸ PREDICTED PROPERTIES

Substance Research

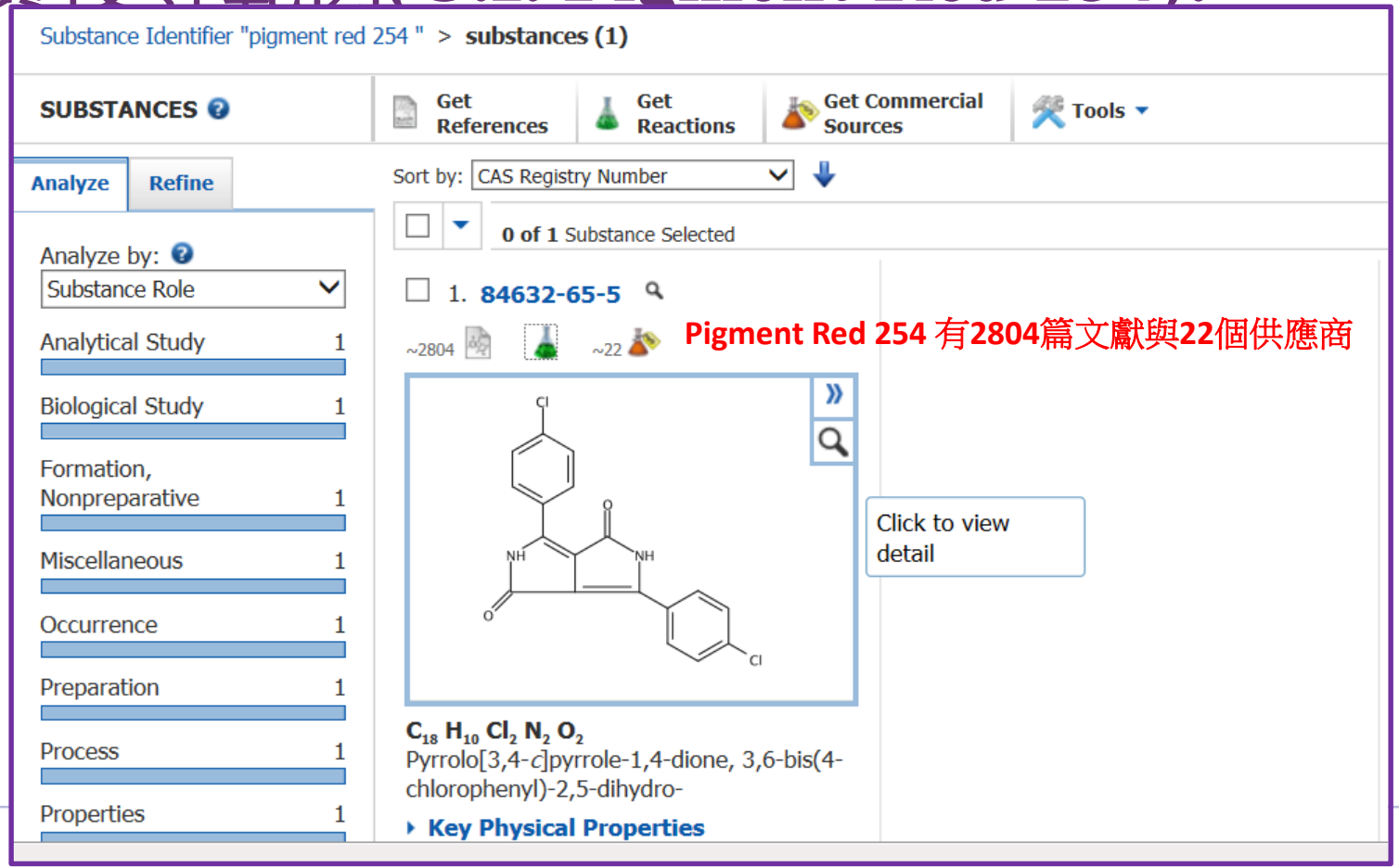
Pigment Red 254

SciFinder® A CAS SOLUTION

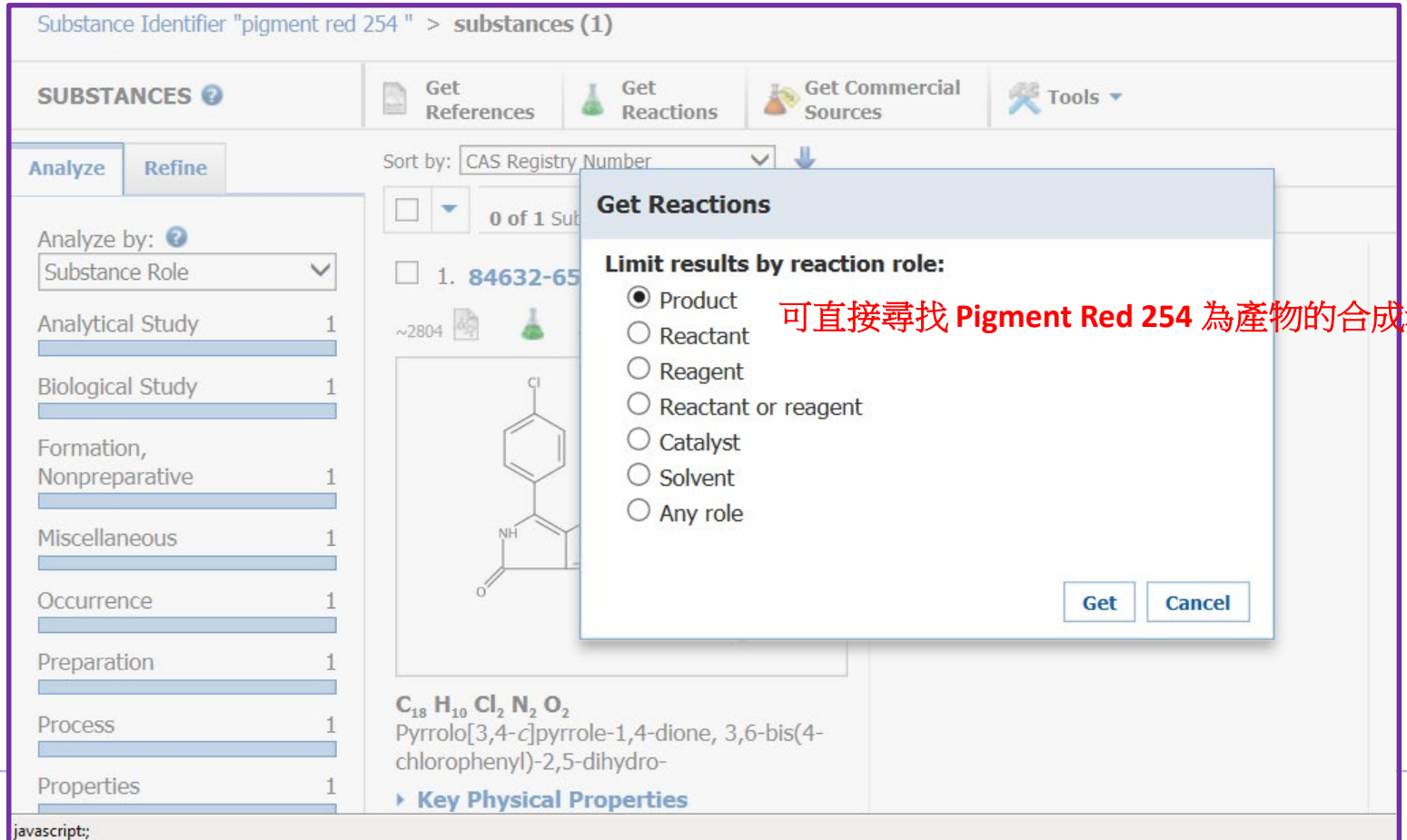
物質搜尋範例(C.I. Pigment Red 254):



物質搜尋範例(C.I. Pigment Red 254):



物質搜尋範例(C.I. Pigment Red 254):



物質搜尋範例(C.I. Pigment Red 254):

Substance Identifier "pigment red 254 " > substances (1) > **get reactions (56)**

尋找 **Pigment Red 254** 為產物的合成步驟共56個

REACTIONS | Get References | Tools | Send to SciPlanner

Analyze | Refine

Group by: No Grouping | Sort by: Accession Number | Display Options

Analyze by: Experimental Procedure

Experimental Procedures Not Available 30

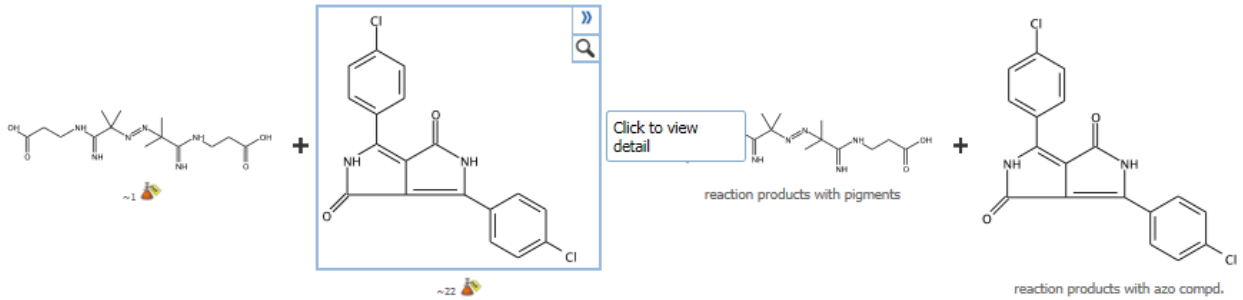
Experimental Procedures Available 26

Show More

0 of 56 Reactions Selected | Page: 1 of 2

13. **View Reaction Detail Link**

Single Step *Hover over any structure for more options.*



Overview

Steps/Stages

1.1 R:HCl, S:H_2O, 3 h, rt → 90°C, pH 3.5

Notes

Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydro- derivatized with 2,2-Azobis[N-(2-carboxyethyl)-2-methylpropionamidine], Reactants: 2, Reagents: 1, Solvents: 1, Steps: 1, Stages: 1, Most stages in any one step: 1

References

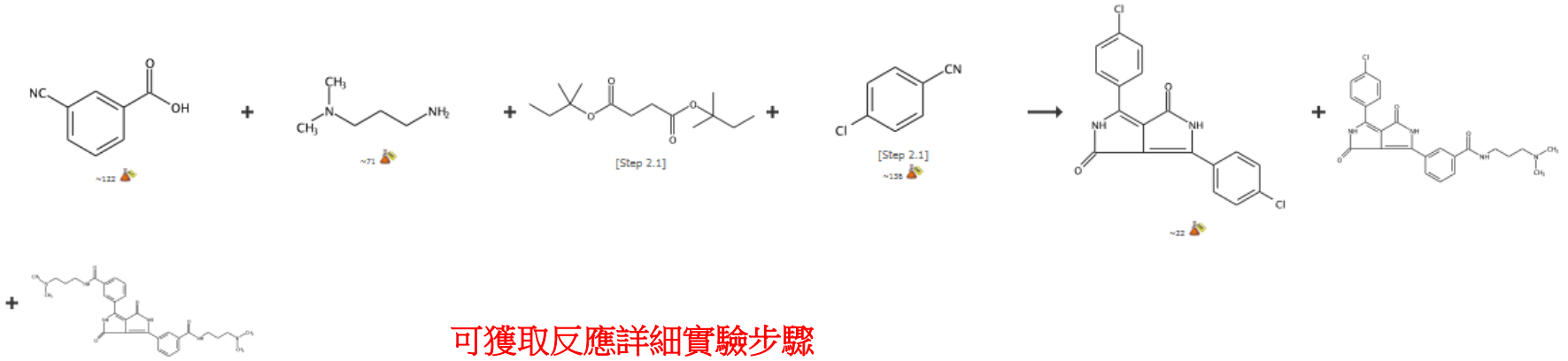
Surface-modified pigment preparations for use in coloring an org. material such as plastics, coatings or inks

Quick View PATENTPAK

By Bugnon, Philippe and Nesvadba, Peter

From PCT Int. Appl., 2012089516, 05 Jul 2012

物質搜尋範例(C.I. Pigment Red 254):



可獲取反應詳細實驗步驟

▾ Overview

Steps/Stages

1.1 R:$SOCl_2$, S:PhMe, 50 h; 150 min, rt → 95°C; 18 h, 90°C; 90°C → reflux
1.2 75 min, reflux → 90°C; 120 min, 100°C
2.1 R:NaOC(Et)Me_2, S:$HOCMe_2Et$, 4 h, 50°C; 50°C → 105°C; 105°C; 105°C → 50°C
2.2 S:H_2O, S:MeOH, 10 min, 0°C; 18 h, 0°C

Notes

2) unspecified catalyst used (stage 1), Reactants: 4, Reagents: 2, Solvents: 4, Steps: 2, Stages: 4, Most stages in any one step: 2

References

Dye compounds for improved red color filter composition
Quick View PATENTPAK
By Lenz, Roman et al
From PCT Int. Appl., 2009144115, 03 Dec 2009

▾ Experimental Procedure

Step 1

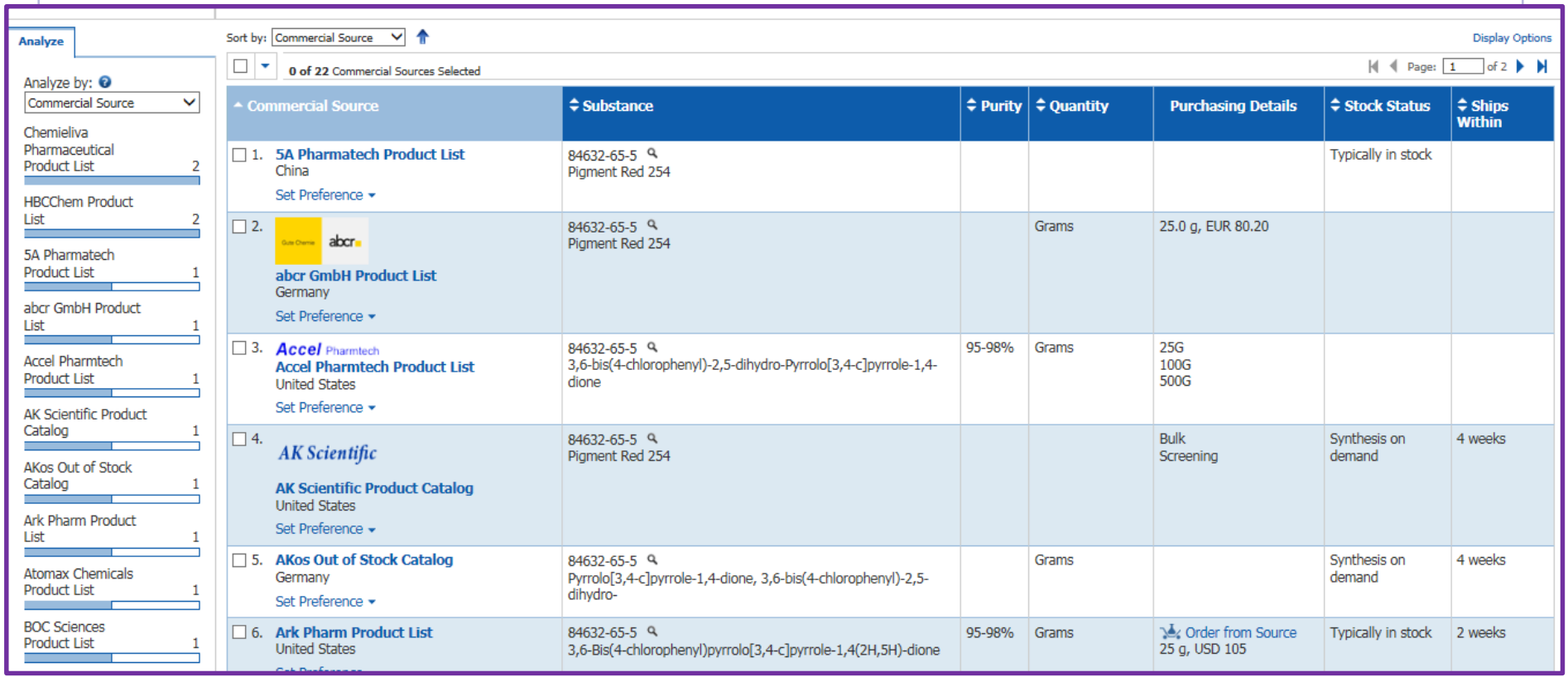
Example 1004: 150 g of 3-cyanobenzoic acid are first introduced into 1000 ml of dry toluene under inert gas and heated to 50 °C, with stirring. To the resulting white suspension there are added, dropwise, 96 ml of thionyl chloride over a period of 150 minutes, the temperature being gradually increased to 95°C. Stirring is then carried out for a further 18 hours at 90 °C. The resulting brown solution is heated to reflux, and about 200 ml of a clear solution are distilled off under a gentle current of nitrogen. Cooling to 90 °C again is then carried out, and 106 g of 3-dimethylamino-1 -propylamine are then added dropwise over 75 minutes, with stirring. Stirring is subsequently carried out for a further 120 minutes whilst refluxing gently (about 100°C). To the cooled reaction mixture there are added 500 ml of ethyl acetate and 500 ml of 2N sodium hydroxide solution and extraction is carried out. The aqueous phase is extracted a further three times using 300 ml of ethyl acetate each time; 60 ml of 30 % sodium hydroxide solution are added and extraction is carried out a further three times using 300 ml of ethyl acetate each time. The combined organic extracts are washed with 500 ml of saturated NaCI solution, dried over sodium sulfate and activated carbon and concentrated at 50°C using a rotary evaporator. Addition of 200 ml of methylene chloride to the residue and concentration are carried out a further three times. There are obtained 212.1 g of a clear brown oil of formula. ^{1}H NMR (300 MHz, CDCI3): 9.03 (1 H, broad m, N-H); 8.04 (1 H, t, 1.4 Hz); 8.00 (1 H, dt, 7.8 and 1.4 Hz); 7.74 (1 H, dt, 7.8 and 1.4 Hz); 7.54 (1 H, t, 7.8 Hz); 3.55 (2H, dt, 6.0 and 4.7 Hz); 2.53 (2H, t, 5.8 Hz); 2.31 (6H, s); 1.77 (2H, m).

Step 2

Example 1006: 100 ml of tert-amyl alcohol are reacted under inert gas with 10.35 g of sodium at 130 °C (bath temperature) to form the corresponding alcoholate. Then a mixture, heated to 50 °C, of 13.8 g of 4-chlorobenzonitrile, 34.5 ml of succinic acid di-tert-amyl ester, 23.1 g of the nitrile of Example 1004 and 40 ml of tert-amyl alcohol is metered into the sodium tert-amylate over 4 hours, the temperature of the reaction mixture dropping to 105 °C. The resulting suspension is stirred for a further 4 hours and is then

物質搜尋範例(C.I. Pigment Red 254):

可獲取此物質供應商資料,包含純度、包材、交期等資料



Analyze

Analyze by: Commercial Source

- Chemieliva Pharmaceutical Product List 2
- HBCChem Product List 2
- 5A Pharmatech Product List 1
- abcr GmbH Product List 1
- Accel Pharmtech Product List 1
- AK Scientific Product Catalog 1
- AKos Out of Stock Catalog 1
- Ark Pharm Product List 1
- Atomax Chemicals Product List 1
- BOC Sciences Product List 1

Sort by: Commercial Source | Display Options

0 of 22 Commercial Sources Selected | Page: 1 of 2

Commercial Source	Substance	Purity	Quantity	Purchasing Details	Stock Status	Ships Within
1. 5A Pharmatech Product List China Set Preference	84632-65-5 Pigment Red 254				Typically in stock	
2. abcr abcr GmbH Product List Germany Set Preference	84632-65-5 Pigment Red 254		Grams	25.0 g, EUR 80.20		
3. Accel Pharmtech Accel Pharmtech Product List United States Set Preference	84632-65-5 3,6-bis(4-chlorophenyl)-2,5-dihydro-Pyrrolo[3,4-c]pyrrole-1,4-dione	95-98%	Grams	25G 100G 500G		
4. AK Scientific AK Scientific Product Catalog United States Set Preference	84632-65-5 Pigment Red 254			Bulk Screening	Synthesis on demand	4 weeks
5. AKos Out of Stock Catalog Germany Set Preference	84632-65-5 Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydro-		Grams		Synthesis on demand	4 weeks
6. Ark Pharm Product List United States	84632-65-5 3,6-Bis(4-chlorophenyl)pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione	95-98%	Grams	Order from Source 25 g, USD 105	Typically in stock	2 weeks

Polymer Reaction Research (EO-PO Polymer)

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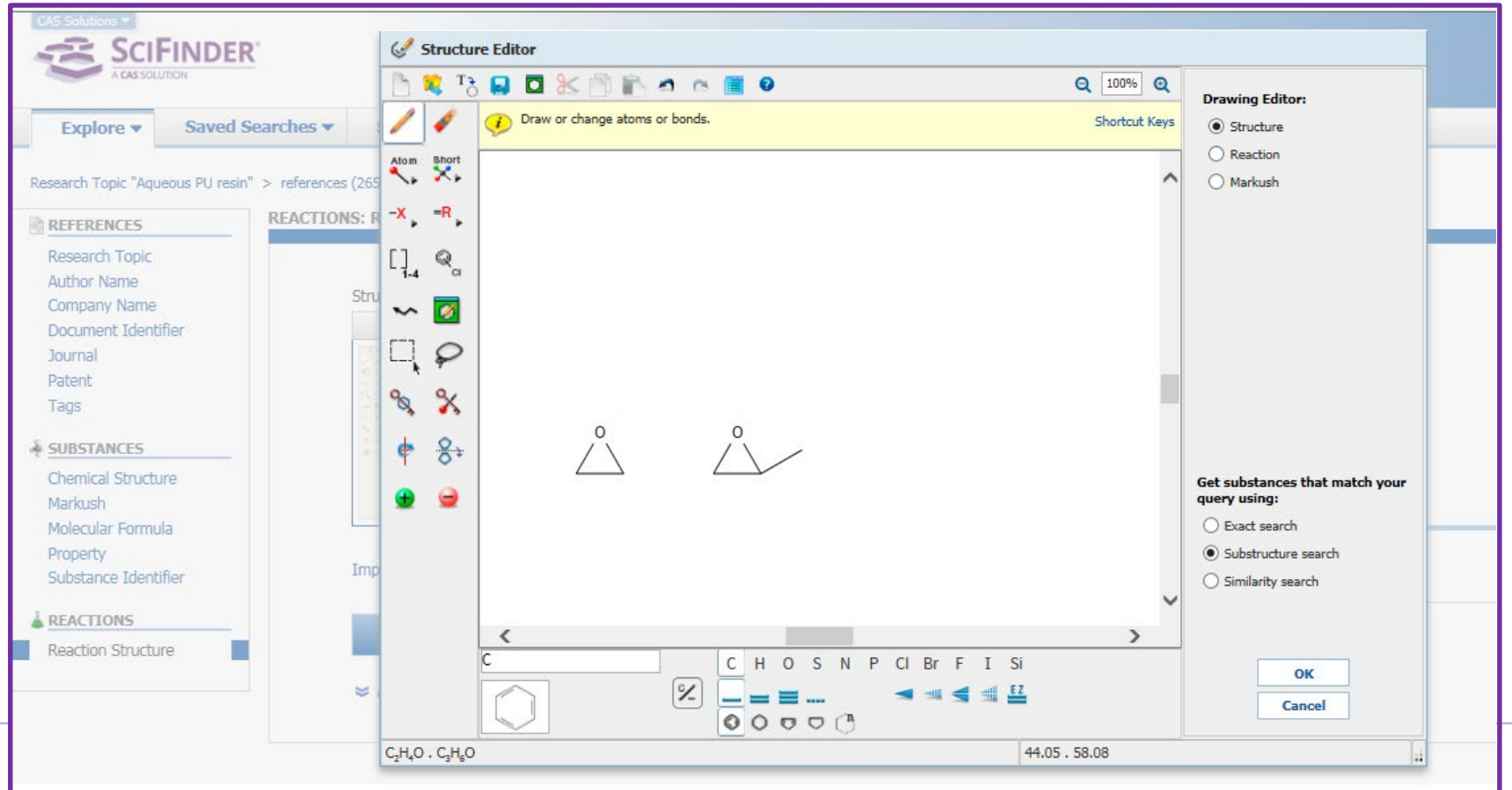
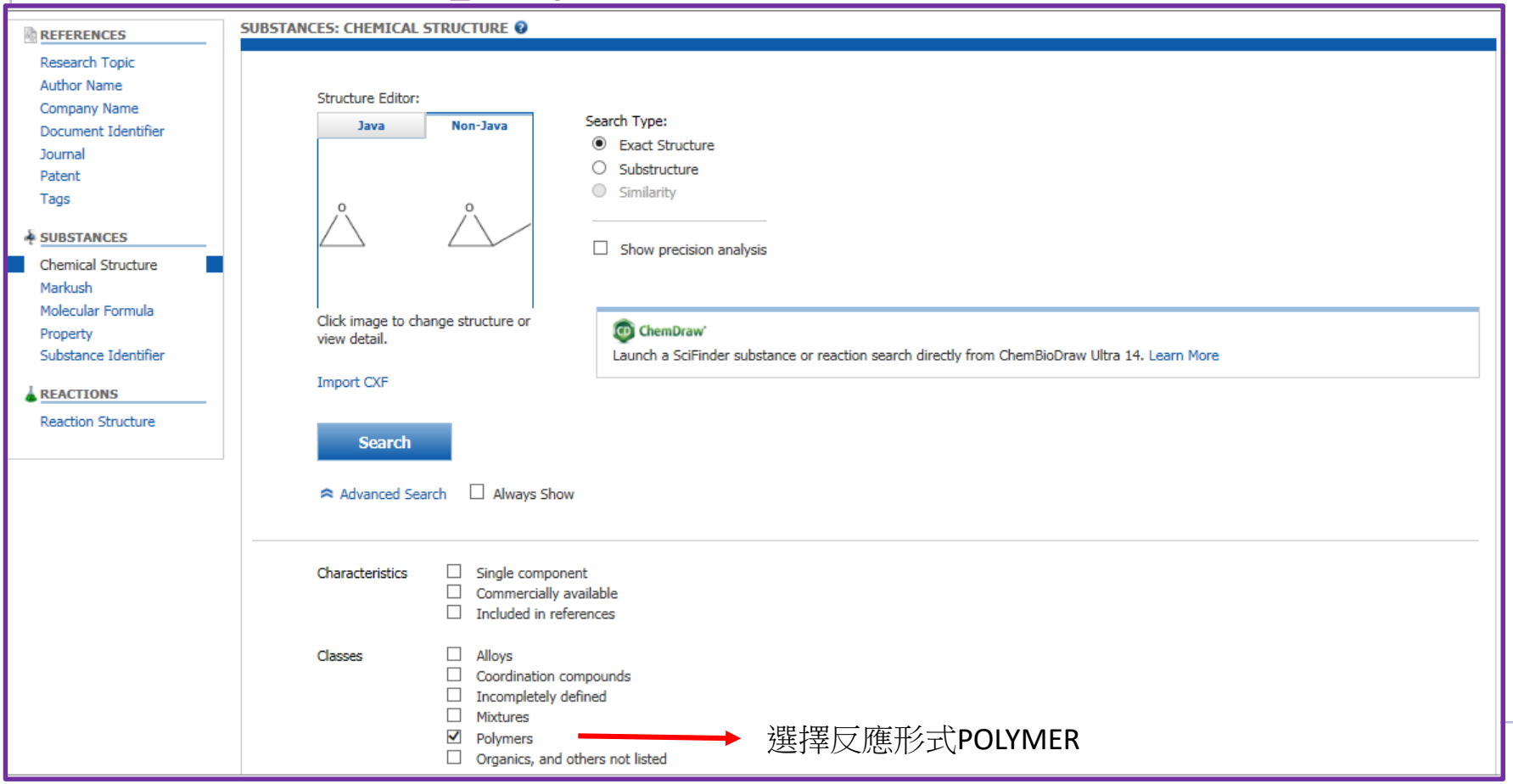
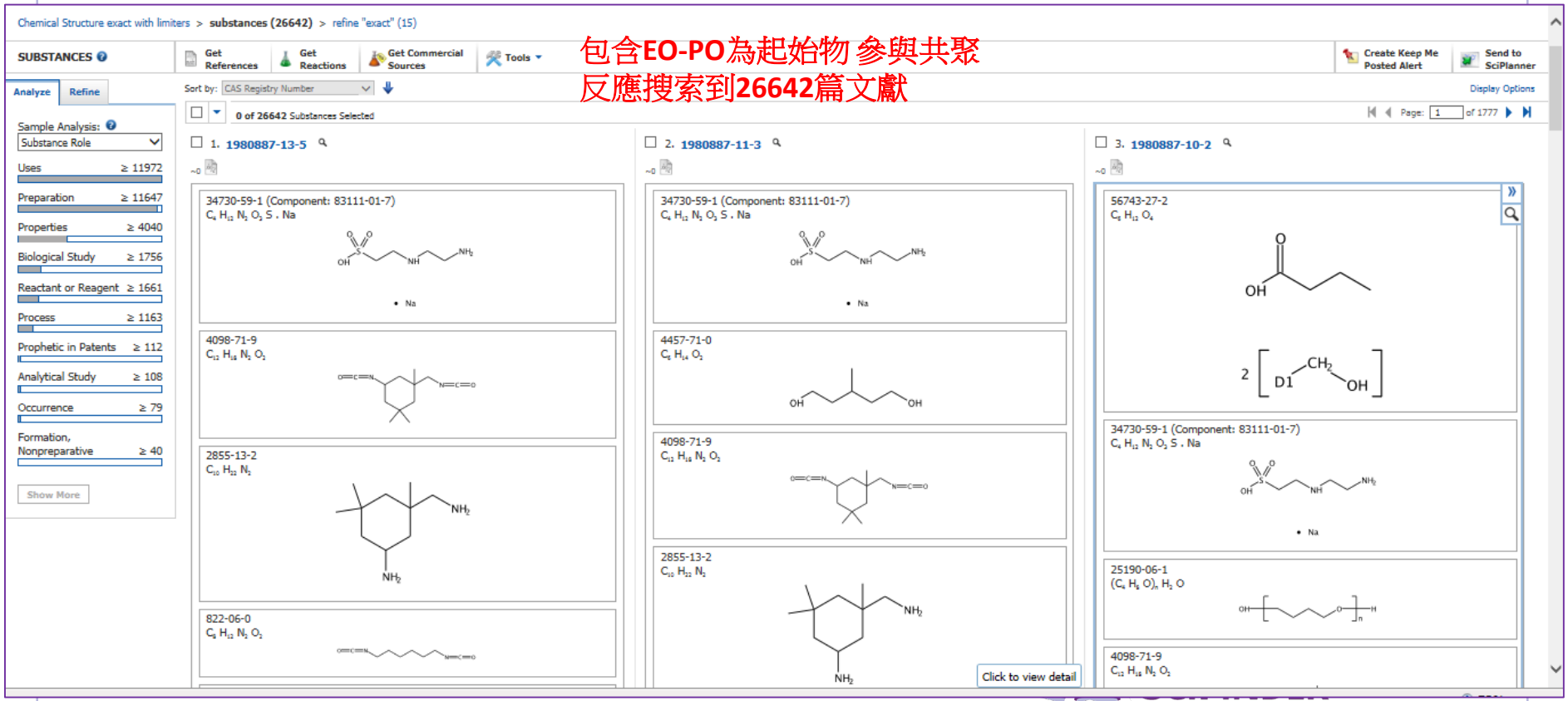
範例(EO-PO polymer: 產物):合成反應搜索



範例(EO-PO polymer：產物):合成反應搜索



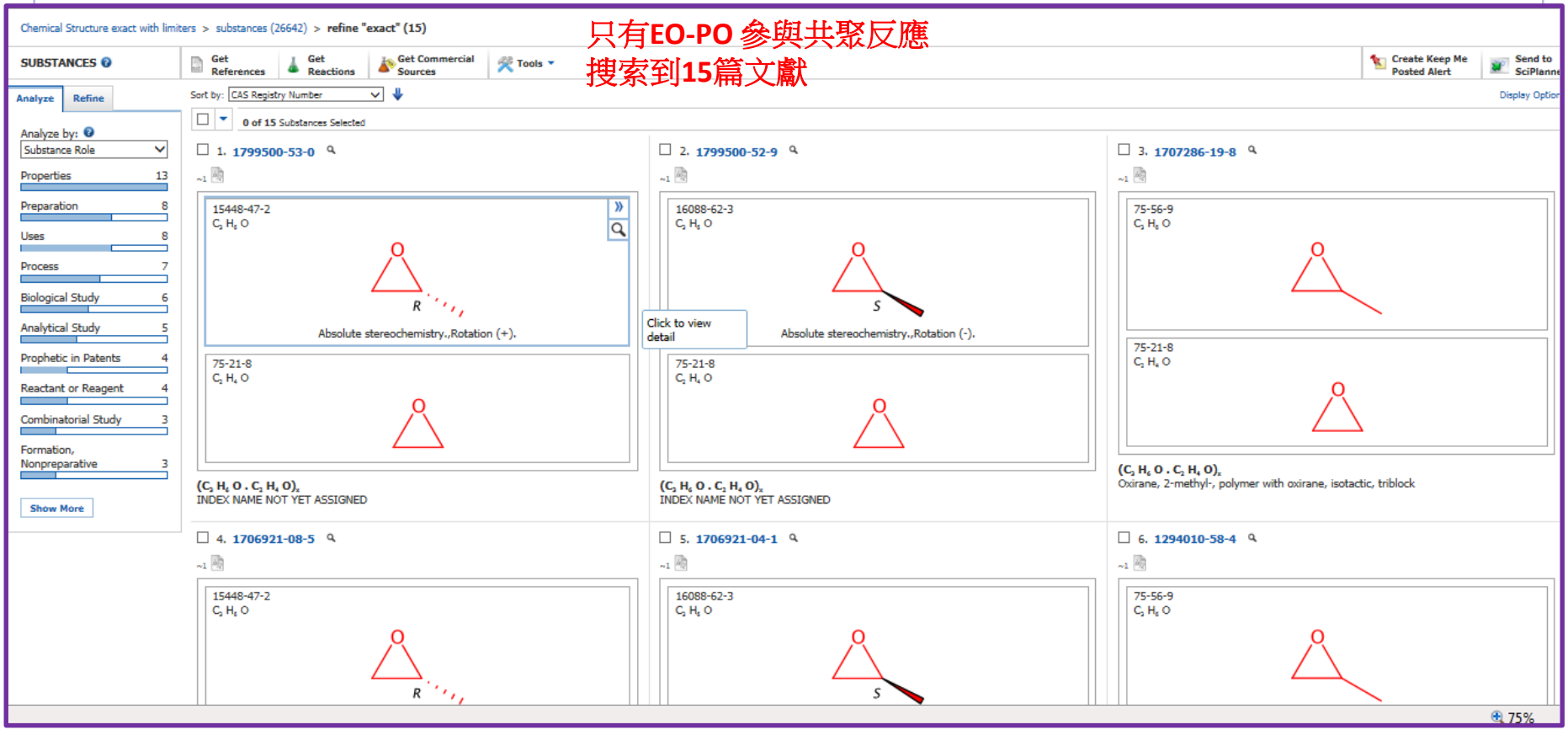
範例(EO-PO polymer：產物):合成反應搜索



包含EO-PO為起始物 參與共聚
反應搜索到26642篇文獻

範例(EO-PO polymer：產物):合成反應搜索

只有EO-PO 參與共聚反應
搜索到15篇文獻



Use ChemDraw to Convert Chemical Structure to SciFinder

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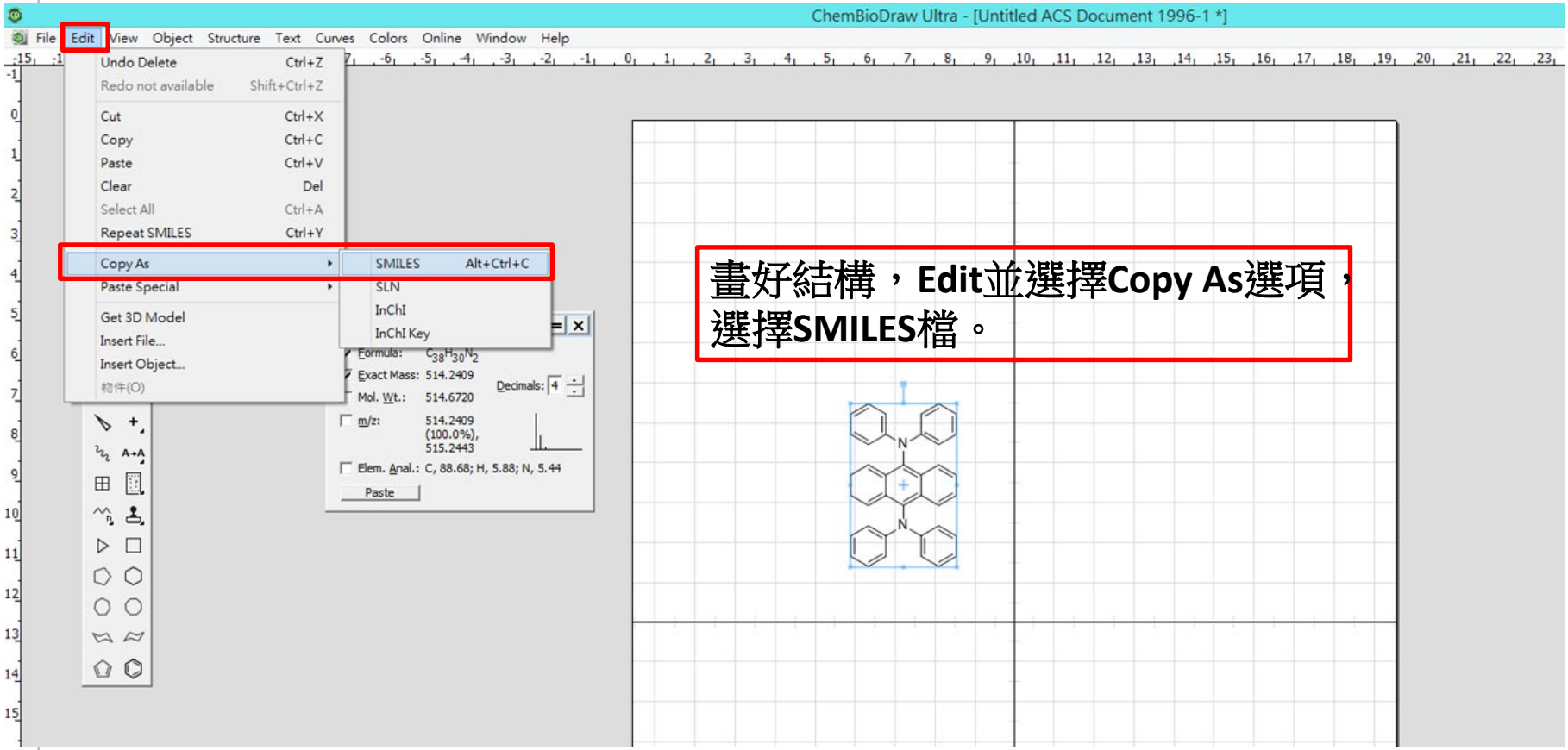

畫好結構，Edit並選擇Copy As選項，選擇SMILES檔。

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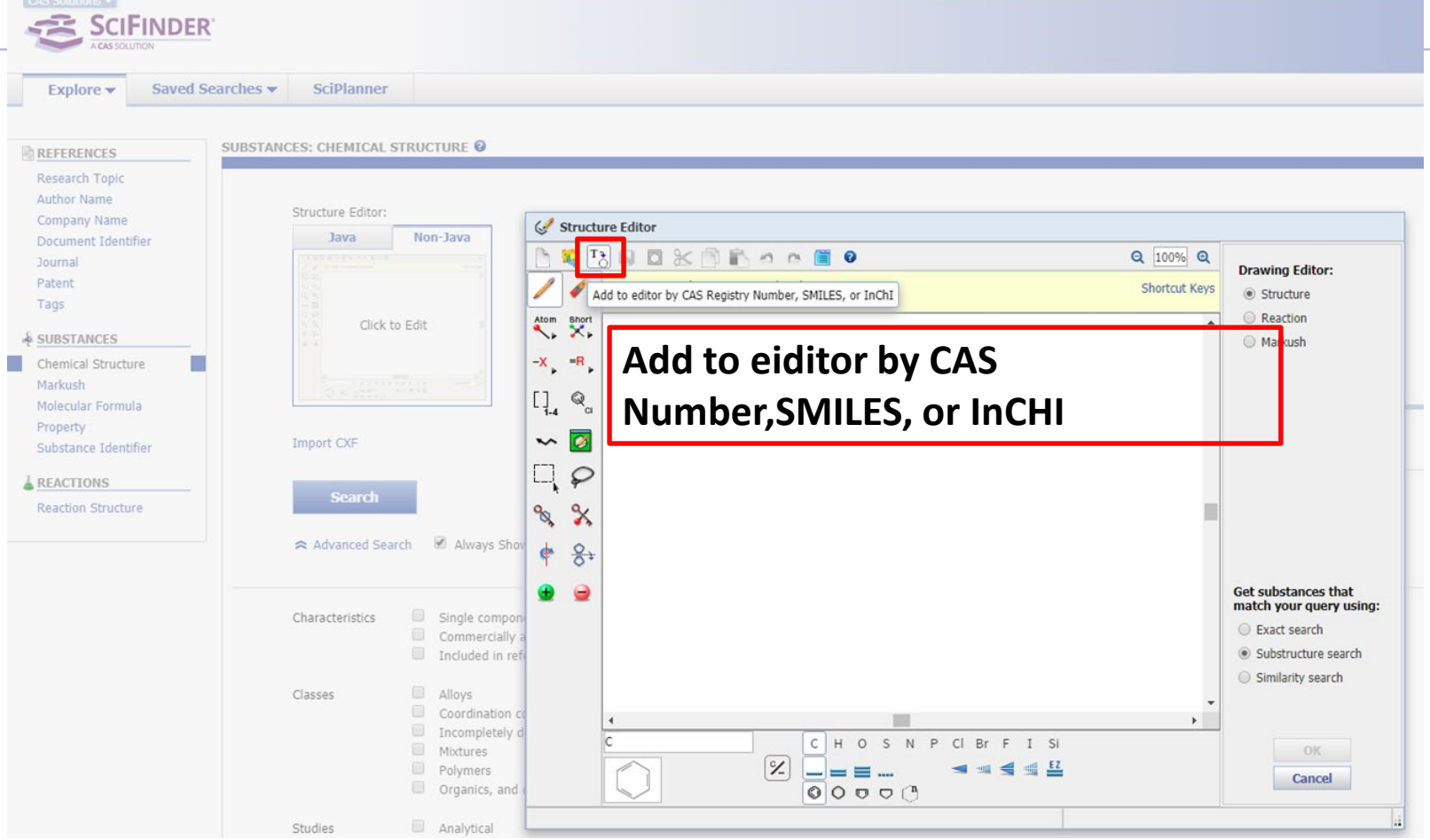
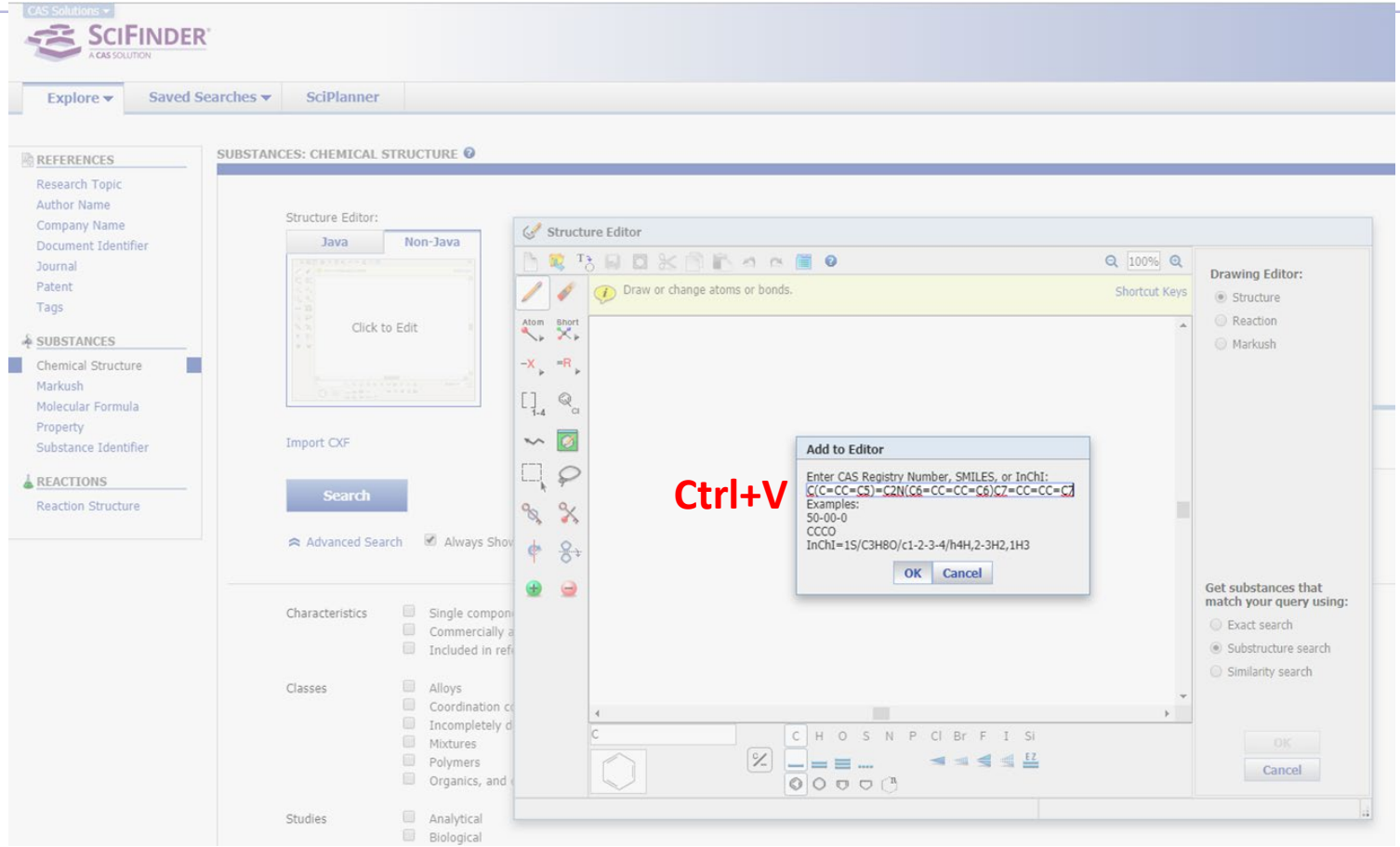
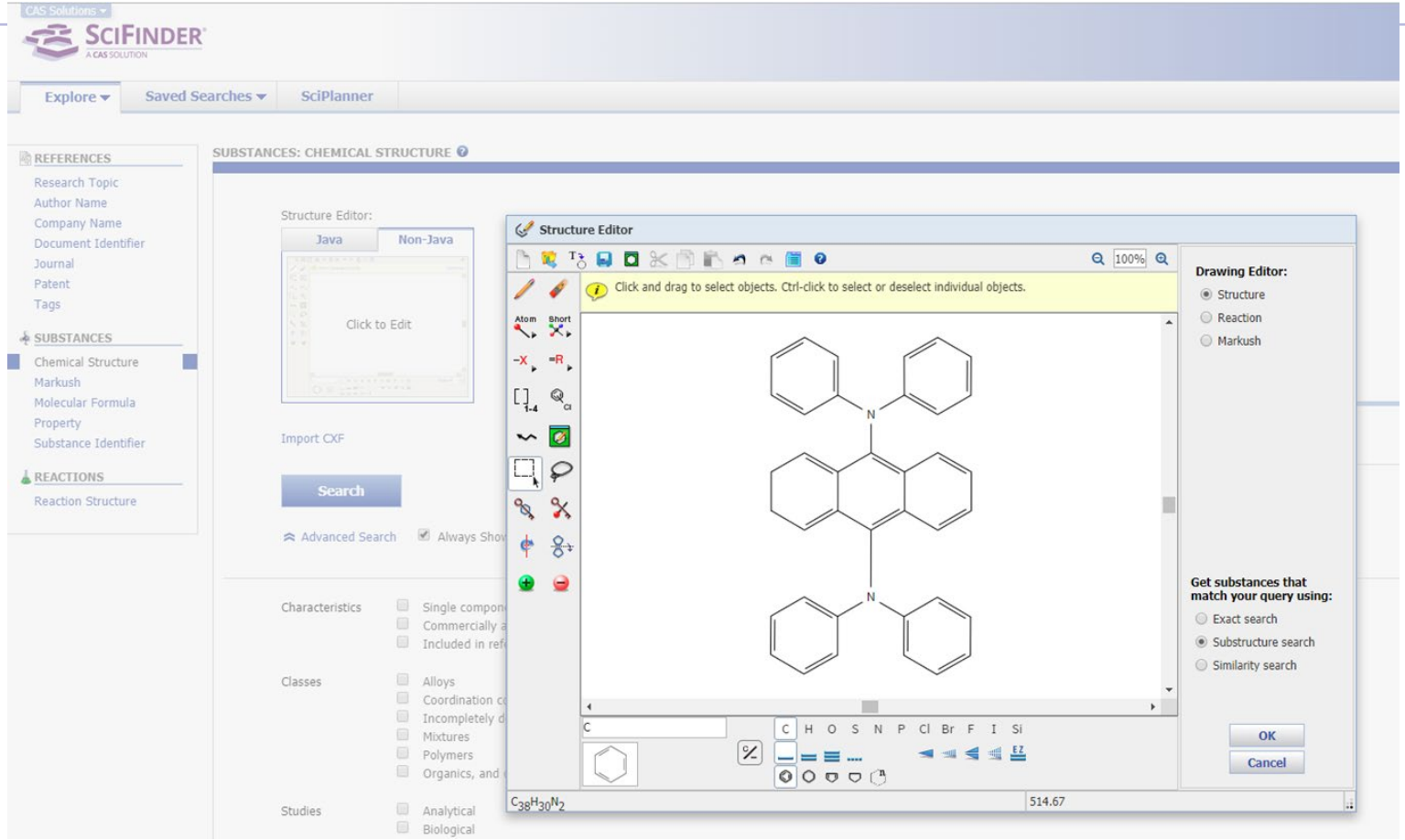


SciFinder®
A CAS SOLUTION


CAS Solutions
SciFinder
A CAS SOLUTION
Explore
Saved Searches
SciPlanner
REFERENCES
Research Topic
Author Name
Company Name
Document Identifier
Journal
Patent
Tags
SUBSTANCES
Chemical Structure
Markush
Molecular Formula
Property
Substance Identifier
REACTIONS
Reaction Structure
SUBSTANCES: CHEMICAL STRUCTURE
Structure Editor:
Java
Non-Java
Click to Edit
Import CXF
Search
Advanced Search
Always Show
Characteristics
Single compon
Commercially a
Included in ref
Classes
Alloys
Coordination c
Incompletely d
Mixtures
Polymers
Organics, and
Studies
Analytical
Biological
Structure Editor
100%
Draw or change atoms or bonds.
Shortcut Keys
Drawing Editor:
Structure
Reaction
Markush
Add to Editor
Enter CAS Registry Number, SMILES, or InChI:
C(C=CC=C5)=C2N(C6=CC=CC=C6)C7=CC=CC=C7
Examples:
50-00-0
CCCO
InChI=1S/C3H8O/c1-2-3-4/h4H,2-3H2,1H3
OK
Cancel
Ctrl+V
Get substances that match your query using:
Exact search
Substructure search
Similarity search
OK
Cancel
C H O S N P Cl Br F I Si
SciFinder
A CAS SOLUTION



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