

汤健钊

客户顾问

jtang@acs-i.org

SciFinder助力化学科研文献检索

华南理工大学

2018.12.14



提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

美国化学文摘社—Chemical Abstracts Service

- ACS的分支机构
- 创建于1907年，简称“CAS”
- 最早创立了《化学文摘》
- 密切关注，索引和提炼着全球化学相关的文献和专利
- 总部座落于俄亥俄州的哥伦布市



CAS——构建最高质量的化学数据库



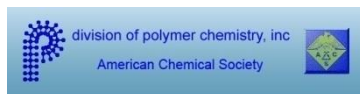
arXiv.org

Aldrichimica ACTA

ACS
chemical
biology



BEILSTEIN JOURNAL
OF ORGANIC CHEMISTRY



J | A | C | S
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ACS Chemical
Neuroscience



THE JOURNAL OF
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Letters

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CAS——构建最高质量的化学数据库



CAS数据库——源于化学，超越化学

生物化学：

农化产品管控信息,生化遗传学,发酵,免疫化学,药理学

有机化学各领域：

氨基酸,生物分子,碳水化合物,有机金属化合物,类固醇

大分子化学各领域：

纤维素、木质素、造纸;涂料、墨水

染料、有机颜料;合成橡胶;纺织品、纤维

应用化学各领域：

大气污染,陶瓷,精油、化妆品,化石燃料,黑色金属、合金

物理、无机、分析化学各领域：

表面化学,催化剂,相平衡,核现象,电化学

CAS数据库最具价值的内容——人工索引

4. Process for preparation of novel sofosbuvir crystal

By: Zhou, Haohui; Lin, Guoliang; Wu, Yao; Zou, Wenjuan; Chan, Yunxia
Assignee: Beijing Winsunny Pharmaceutical Co., Ltd., Peop. Rep. China

The invention relates to a novel sofosbuvir crystal having high stability and soly. The novel sofosbuvir crystal is prepd. through crystg. sofosbuvir in pos. solvent and neg. solvent. The method has high repeatability, easy control, high yield, and high product purity.

Patent Information

Patent No.	Kind	Language	Date	Application No.	Date
CN 105732751 PATENTPAK	A		Jul 6, 2016	CN 2014-10742897	Dec 9, 2014

Priority Application

CN 2014-10742897	Dec 9, 2014
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Indexing

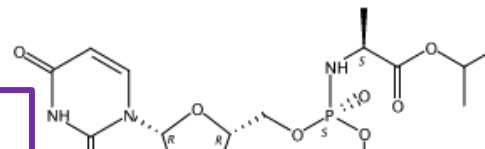
Carbohydrates (Section33-9)
Section cross-reference(s): 34, 63

Concepts

Crystallization	Drug bioavailability
Hepatitis C	Hepatitis C virus
Homo sapiens	Human
Pharmaceutical coated tablets	

Substances

[1190307-88-0P Sofosbuvir](#) [PATENTPAK](#)
Absolute stereochemistry.



Tips:

1. 98%以上的文献，都经过人工索引
2. 用Index Term标引文献中的重要技术术语
3. 用CAS RN标引出文献中的重要物质
4. 用CAS Role标引文献中重要物质的研究领域

CAS人工标引解决的问题

- 检索词的同义词拓展：解决不同科研人员由于教育背景、语言、表达习惯不同导致的对同一个技术术语描述的差异。
- 用名称、分子式等检索化合物，会导致检索不全、不准的问题。CAS RN很好的解决了该问题，帮助检索人员实现精准定位化合物的目标。
- 利用SciFinder中的标引信息（Index Term，CAS RN，CAS Role），提高效率，启发思路。

提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

SciFinder覆盖的数据库



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New Commercial Source Logos

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SciFinder主界面

检索完，请点击退出

工具栏

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Welcome Helen Zhu

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

REFERENCES: RESEARCH TOPIC

Examples:

The effect of antibiotic residues on dairy products
Photocyanation of aromatic compounds

Search

Advanced Search

检索入口

已保存的结果集

SAVED ANSWER SETS

CSF1R

jmc

EP 19870107847

Daclatasvir-1

SUB result

EX result

MF result

polymer1

polymer1

structure search

Autosaved Substance Set

View All | Import

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定题追踪

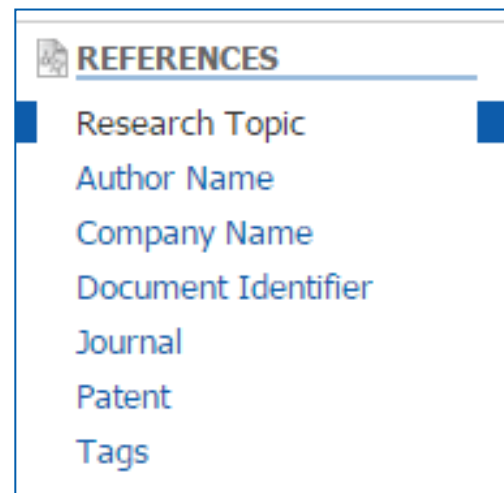
SciFinder检索——文献检索

■ 文献检索方法

- 主题检索
- 作者名检索
- 机构名检索
- 文献标识符检索
- 期刊名称和专利信息（公开号，申请号等）
- 从物质，反应获得文献

■ 检索策略推荐

- 关注某特定领域的文献：主题检索
- 关注物质有关的文献：先获得物质，再获得文献
- 关注某科研人员的文献：作者名检索
- 关注某机构科研进展：机构名检索



文献检索——主题

主题检索：离子液体催化剂

检索式：ionic liquid with catalysis

The screenshot displays the SciFinder web interface. At the top, there is a navigation bar with 'Explore', 'Saved Searches', and 'SciPlanner' tabs. Below this, the search topic 'ionic liquid with catalysis' is entered. On the left side, there are two main categories: 'REFERENCES' and 'SUBSTANCES'. Under 'REFERENCES', several search criteria are listed, including 'Research Topic', 'Author Name', 'Company Name', 'Document Identifier', 'Journal', 'Patent', and 'Tags'. Under 'SUBSTANCES', 'Chemical Structure' and 'Markush' are listed. The main search area on the right shows the entered search term 'ionic liquid with catalysis' in a text box. Below the text box, there are 'Examples:' followed by 'The effect of antibiotic residues on dairy products' and 'Photocyanation of aromatic compounds'. A blue 'Search' button is positioned below the examples. At the bottom of the search area, there is a link for 'Advanced Search'. A purple-bordered box at the bottom right of the screenshot contains the text: '关键词之间用介词连接：in, with, of...'

主题检索的候选项

Explore ▼ Saved Searches ▼ SciPlanner

Research Topic "ionic liquid with catalysis"

REFERENCES ⓘ

Select All Deselect All

1 of 5 Research Topic Candidates Selected

	References
<input type="checkbox"/> 74 references were found containing "ionic liquid with catalysis" as entered.	74
<input checked="" type="checkbox"/> 16803 references were found containing the two concepts "ionic liquid" and "catalysis" closely associated with one another.	16803
<input type="checkbox"/> 20983 references were found where the two concepts "ionic liquid" and "catalysis" were present anywhere in the reference.	20983
<input type="checkbox"/> 91371 references were found containing the concept "ionic liquid".	91371
<input type="checkbox"/> 3150688 references were found containing the concept "catalysis".	3150688

Get References

“Concepts”表示对主题词做了同义词的扩展；

“Closely associated with one another”表示同时出现在一个句子中；

“were present anywhere in the reference”表示同时出现在一篇文献中；

按被引次数排序— Citing References

The screenshot shows the SciFinder interface with the following elements:

- Header:** CAS Solutions, SciFinder A CAS SOLUTION, Preferences | SciFinder Help | Sign Out, Welcome Helen Zhu.
- Navigation:** Explore, Saved Searches, SciPlanner, Save, Print, Export.
- Search Topic:** Research Topic "ionic liquid with catalysis" > references (16803).
- Tools:** REFERENCES, Get Substances, Get Reactions, Get Related Citations, Tools.
- Sort by:** Citing References (selected), Accession Number, Author Name, Citing References, Publication Year, Title.
- Analyze by:** Author Name.
- Author List:**

Wasserscheid Peter	170
Zhang Suojiang	146
Dupont Jairton	132
Li Huaming	97
Yu Shitao	96
Deng Youquan	91
Wang Jun	78
Chen Jing	76
Dyson Paul J	76
Fang Dong	75
- Reference List:**
 - 1. Ionic Liquids. Solvents for Synthesis and Catalysis**
By Welton, Thomas
From Chemical Reviews (Washington, D. C.) (1999), 99(8), 2071-2083. | Language: English, Database: CAPLUS
A review with 124 refs. covering org. reactions in alkylhalo- and haloaluminate ionic liqs.
 - 2. Ionic liquids - new "solutions" for transition metal catalysis**
By Wasserscheid, Peter; Keim, Wilhelm
From Angewandte Chemie, International Edition (2000), 39(21), 3772-3789. | Language: English, Database: CAPLUS
A review with 98 refs. Ionic liqs. are salts that are liq. at low temp. (<100°C), which represent a new class of solvents with nonmol., ionic character. Even though the first representative has been known since 1914, ionic liqs. have only been investigated as solvents for transition metal catalysis in the past ten years. Publications to date show that replacing an org. solvent by an ionic liq. can lead to remarkable improvements in well-known processes. Ionic liqs. form biphasic systems with many org. product mixts. This gives rise to the possibility of a multiphase reaction procedure wit...
 - 3. Ionic Liquid (Molten Salt) Phase Organometallic Catalysis**
By Dupont, Jairton; de Souza, Roberto F.; Suarez, Paulo A. Z.
From Chemical Reviews (Washington, DC, United States) (2002), 102(10), 3667-3691. | Language: English, Database: CAPLUS
A review including ionic liqs.; oligomerization and polymn.; hydrogenation; dimerization and telomerization of dienes; carbonylation; oxidn. and radical reactions; Heck, Suzuki, Stille, Sonogashira, Negishi, and Ullmann coupling reactions; allylation; olefin metathesis; and mechanistic aspects of reactions in ionic liqs.

Citing Reference: 帮助找到最重要的文献

文献检索结果

CAS Solutions

Preferences | SciFinder Help | Sign Out

Welcome Helen Zhu

Explore | Saved Searches | SciPlanner | Save | Print | Export

Research Topic "ionic liquid with catalysis" > referen

REFERENCES

Get Substances | Reactions | Citations | Tools

Create Keep Me Posted Alert | Send to SciPlanner

Analyze | Refine | Categorize

Sort by: Accession Number

0 of 16803 References Selected

Page: 1 of 841

Analyze by: Author Name

Author Name	Count
Wasserscheid Peter	170
Zhang Suojiang	146
Dupont Jairton	132
Li Huaming	97
Yu Shitao	96
Deng Youquan	91
Wang Jun	78
Chen Jing	76
Dyson Paul J	76
Fang Dong	75

1. Significant effect of 5,10,15,20-meso-tetraarylporphyrinatoiron(III) chloride/triflate and acidic/neutral/basic imidazolium ionic liquids in catalytic oxidation of phenols

Quick View | Other Sources

By Ahmad, Sohail; Gautam, Renu; Singhal, Anchal; Chauhan, S. M. S.
From Journal of Molecular Liquids (2018), 260, 292-303. | Language: English, Database: CAPLUS

The influence of acidic, neutral and basic ionic liqs. and their binary mixt. with dichloromethane on the reactivity of iron(III)porphyrins was investigated during oxidn. of phenols with hydrogen peroxide catalyzed by 5,10,15,20-tetraarylporphyrinatoiron(III) chloride and 5,10,15,20-tetraarylporphyrinatoiron(III) triflate. The generation of different intermediates of iron(III) porphyrin in different ILs was studied through viscosity, d., UV-Vis and ¹H NMR spectroscopy. The heterolytic cleavage efficiency of (TAP) Fe^{III}-OOH and formation of quinone using iron(III)porphyrin (TAP)Fe^{III}Cl with Cl...

2. Supported ionic liquid phase (SILP) facilitated gas-phase enzyme catalysis - CALB catalyzed transesterification of vinyl propionate

Quick View | Other Sources

By Lee, Changhee; Sandig, Bernhard; Buchmeiser, Michael R.; Haumann, Marco
From Catalysis Science & Technology (2018), Ahead of Print. | Language: English, Database: CAPLUS

The supported ionic liq. phase (SILP) technol. has been used to immobilize Candida Antarctica Lipase B (CALB) within a hybrid monolith. The monolith was synthesized in-situ inside a Teflon cartridge via the 4-(dimethylamino)pyridine-catalyzed polyaddn. of 1,1,1-tris(hydroxymethyl)propane to 4,4'-methylenebis(phenylisocyanate) in the presence of porous cellulose-2.5-acetate beads. An ionic liq. contg. small amts. of CALB was impregnated into these beads and the resulting enzyme-SILP (e-SILP) catalyst was tested in the continuous gas-phase transesterification of vinyl propionate and 2-propanol...

3. A Phosphine-mediated Synthesis of 2,3,4,5-tetra-substituted Nhydroxypyrrroles from α-oximino Ketones and Dialkyl Acetylenedicarboxylates Under Ionic Liquid Green-media

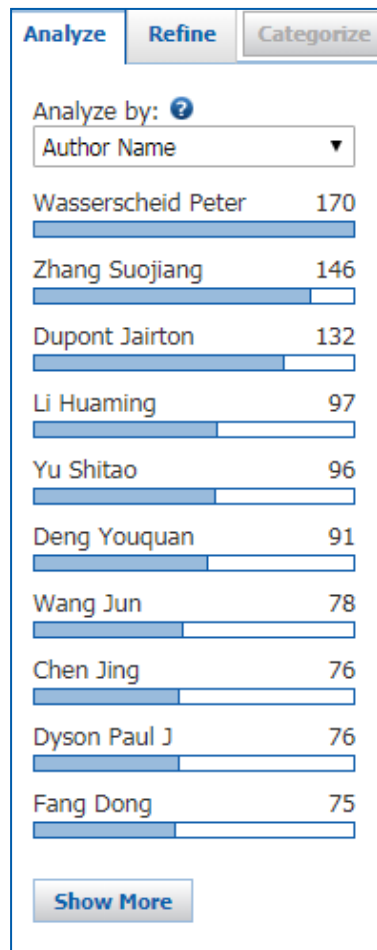
Quick View | Other Sources

By Shahvelayati, Ashraf S.; Ghazvini, Maryam; Yadollahzadeh, Khadijeh; Delbari, Akram S.
From Combinatorial Chemistry & High Throughput Screening (2018), 21(1), 14-18. | Language: English, Database: CAPLUS

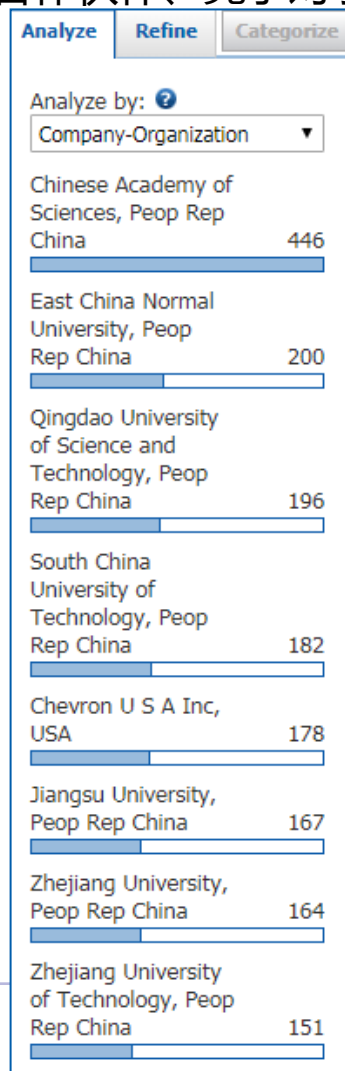
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文献检索结果的Analyze

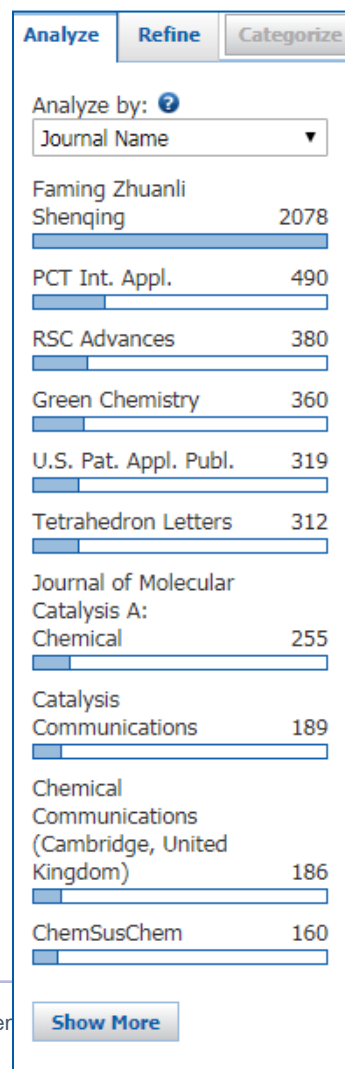
本领域研究人员



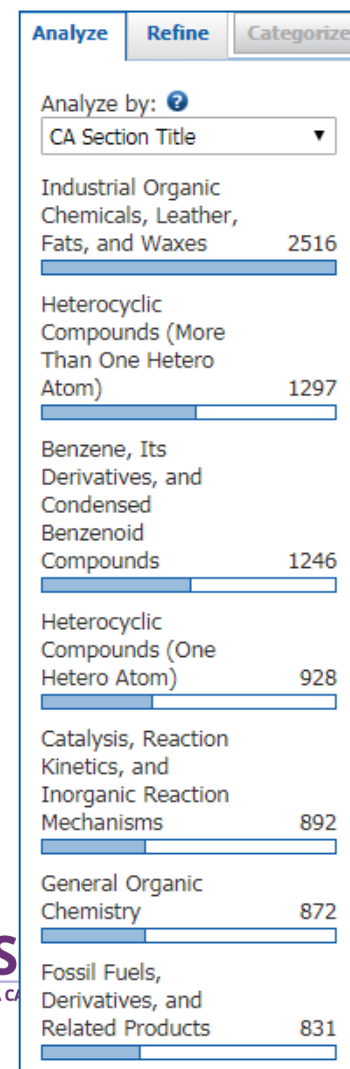
本领域研究机构、 合作伙伴、竞争对手



期刊



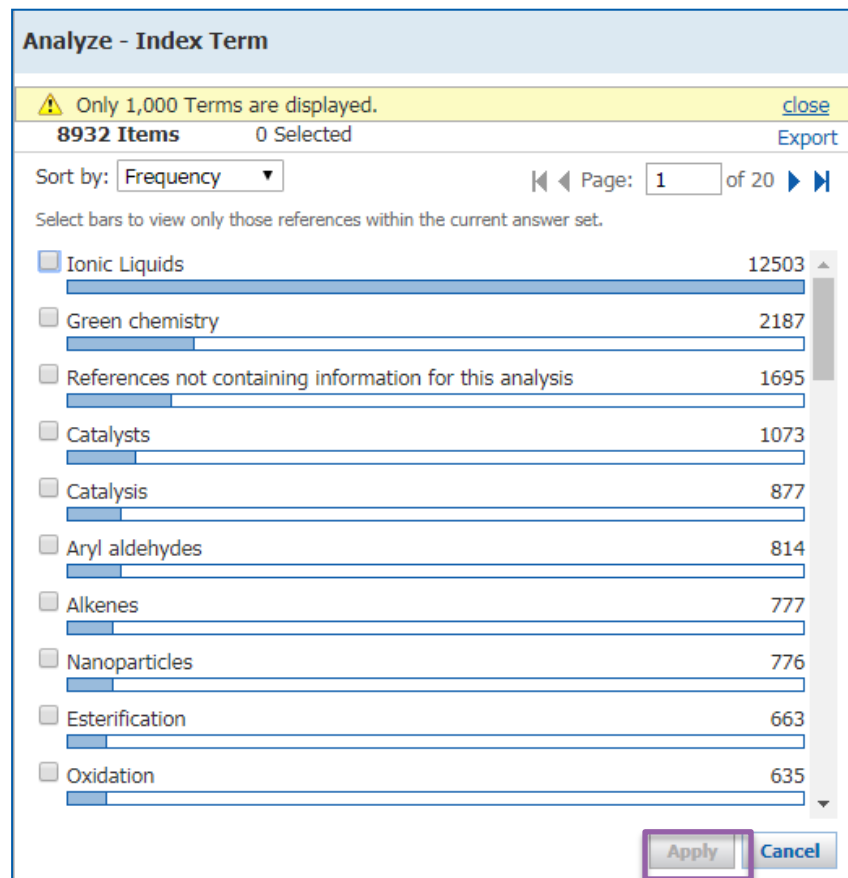
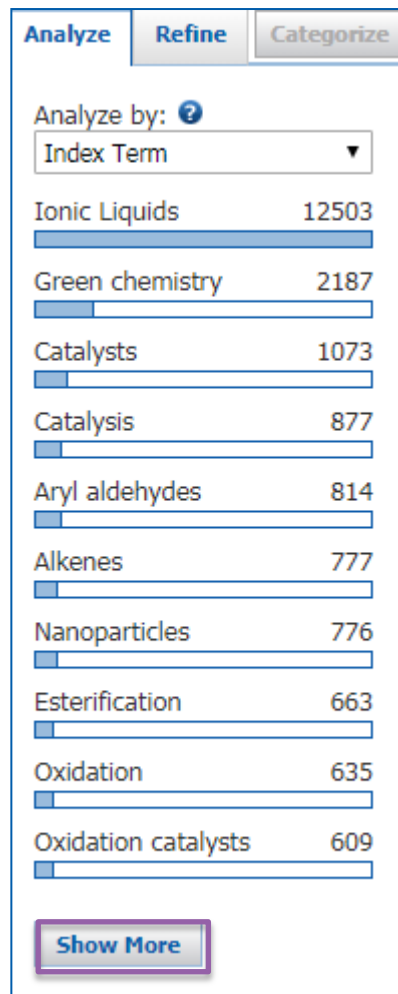
涉及学科领域



文献检索结果的Analyze

Index Term :

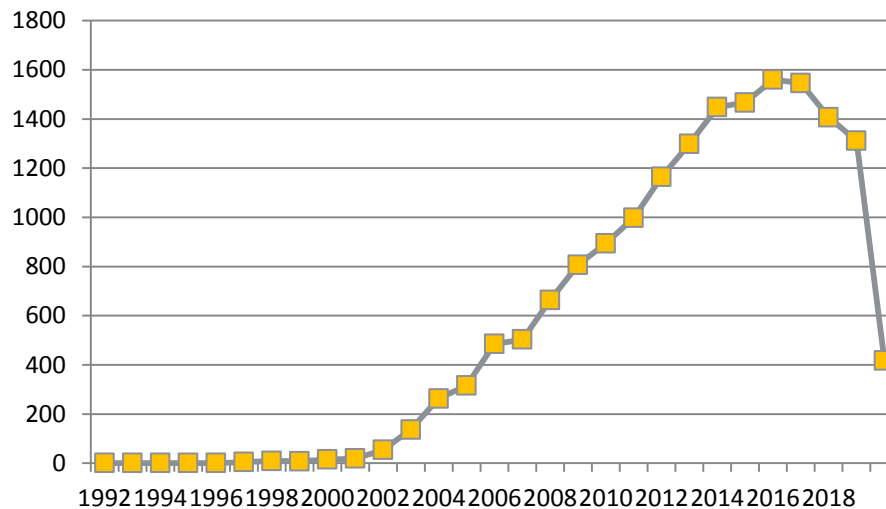
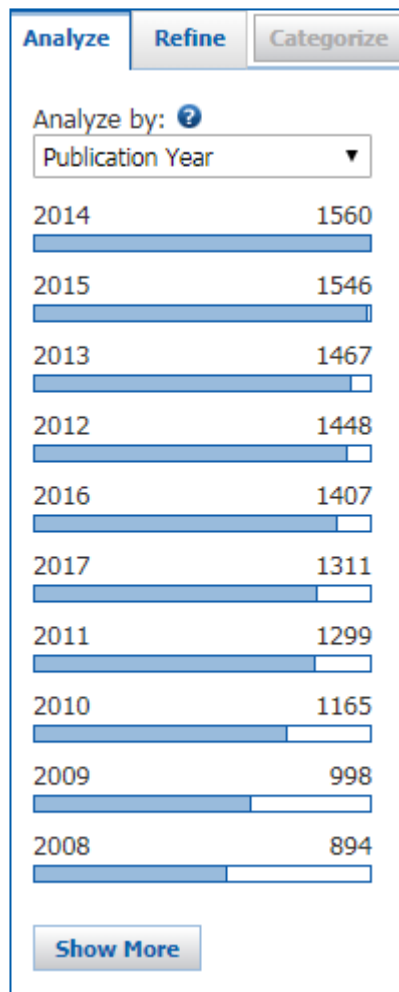
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文献检索结果的Analyze



Publication Year: 分析领域发展趋势

文献检索结果的Refine

Analyze Refine Categorize

Refine by: ?

- Research Topic
- Author
- Company Name
- Document Type
- Publication Year
- Language
- Database

Document Type(s)

- Biography
- Book
- Clinical Trial
- Commentary
- Conference
- Dissertation
- Editorial
- Historical
- Journal
- Letter
- Patent
- Preprint
- Report
- Review

Refine

Get Substances Get Reactions Get Related Citations Tools

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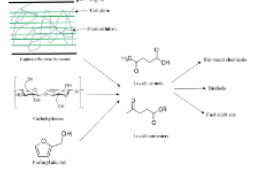
Sort by: Accession Number

0 of 1224 References Selected Page: 1 of 62

1. Conversion of Biomass and Its Derivatives to Levulinic Acid and Levulinic Esters via **Ionic Liquids**

Quick View Other Sources

By Tiong, Yong Wei; Yap, Chiew Lin; Gan, Suyin; Yap, Winnie Soo Ping
From Industrial & Engineering Chemistry Research (2018), 57(14), 4749-4766. | Language: English, Database: CAPLUS



A review. Biomass has emerged as an abundant and relatively low cost carbon resource alternative to fossil fuel resources in the sustainable prodn. of specialty chems. and biofuel. Levulinic acid is an attractive platform chem. Upgrading of levulinic acid produces levulinic esters, which serve as a transportation fuel and fuel additive. The present review focuses on the development of sustainable conversion of biomass into levulinic acid and levulinic esters via **ionic liqs.** dual solvent-catalysts. The synthesis routes of levulinic acid and levulinic esters and the corresponding **ionic l...**

2. Recent Advances in Pd-Catalyzed Cross-Coupling Reaction in **Ionic Liquids**

Quick View Other Sources

By Li, Jianxiao; Yang, Shaorong; Wu, Wanqing; Jiang, Huanfeng
From European Journal of Organic Chemistry (2018), 2018(11), 1284-1306. | Language: English, Database: CAPLUS

A review. **Ionic liqs. (ILs)** can behave as green solvents in comparison with conventional org. solvents, but more often they also act as ligands, co-catalysts, and stabilizing agents both for metal active species and for intermediates of **catalytic** systems. In this review we have mainly summarized the recent achievements (2013 to the present) in Pd-catalyzed cross-coupling in **ILs** for the assembly of structurally diverse and highly functionalized org. mols., with the focus on cascade **reactions** triggered by nucleopalladation, Suzuki coupling, Sonogashira coupling, allylic functionalization, and ...

3. Acid-Catalyzed Conversion of Carbohydrates into Value-Added Small Molecules in Aqueous Media and **Ionic Liquids**

Quick View Other Sources

By Bodachivskiy, Iurii; Kuzhiumparambil, Unnikrishnan; Williams, D. Bradley G.
From ChemSusChem (2018), 11(4), 642-660. | Language: English, Database: CAPLUS

A review. Biomass is the only realistic major alternative source (to crude oil) of hydrocarbon substrates for the com. synthesis of bulk and fine chems. Within biomass, terrestrial sources are the most accessible, and therein lignocellulosic materials are most abundant. Although lignin shows promise for the delivery of certain types of org. mols., cellulose is a biopolymer with significant potential for conversion into high-vol. and high-value chems. This review covers the acid-catalyzed conversion of lower value (poly) carbohydrates into valorized org. building-block chems. (platform mols....

Refine : 帮助用户迅速获得需要的文献

文献检索结果的Categorize

学科领域
主分类

学科领域
副分类

Index Term

选中的Index Term

Categorize

1. Select a heading and category. 2. Select index terms of interest.

Category Heading	Category	Index Terms	Selected Terms
All	Catalysis (162)	Page: 1 of 4 Select All Deselect All	Click 'x' to remove the category from 'Selected Terms'
Synthetic chemistry	Catalysts (328)	<input type="checkbox"/> Enzymes 46	<input checked="" type="checkbox"/> Catalysis > Catalysts (1 Terms)
General chemistry		<input checked="" type="checkbox"/> Imidazolium compounds 32	
Catalysis		<input type="checkbox"/> Transition metal complexes 31	
Physical chemistry		<input type="checkbox"/> Palladium 28	
Environmental chemistry		<input type="checkbox"/> Lewis acids 25	
Technology		<input type="checkbox"/> Transition metals 25	
Genetics & protein chemistry		<input type="checkbox"/> Heteropoly acids 24	
Polymer chemistry		<input type="checkbox"/> Zeolites, synthetic 21	
Biotechnology		<input type="checkbox"/> Lipase 20	
Biology		<input type="checkbox"/> Bronsted acids 17	
Analytical chemistry		<input type="checkbox"/> Ruthenium 17	
		<input type="checkbox"/> Metals 16	
		<input type="checkbox"/> Oxides (inorganic) 16	
		<input type="checkbox"/> Quaternary ammonium compounds 16	

Catalysis > Catalysts > 1 Index Term(s) Selected

Categorize学科分类功能，基于Index Term，根据大学科方向对文献进行自动分类。

结果集的保存— Save, Print, Export

The screenshot shows the SciFinder search results page. At the top, there are buttons for 'Save', 'Print', and 'Export'. Below the search bar, there are options for 'Get Substances', 'Get Reactions', 'Get Related Citations', and 'Tools'. The search results are sorted by 'Accession Number' and show 0 of 32 references selected. Three references are listed:

- 1. Chiral Ionic Liquids: Synthesis and Role as Efficient Green Catalyst in Asymmetric Synthesis**
By Payra, Soumen; Saha, Arijit; Banerjee, Subhash
From Current Organocatalysis (2017), 4(1), 4-32. | Language: English, Database: CAPLUS
A review. The recent breakthrough of Chiral ILs in chirality transfer or chiral recognition when used as solvents, the synthesis of CILs was presented while the second part was devoted to their use in the field of asym. synthesis as well as...
- 2. Ionic Liquids in Transition Metal-Catalyzed Oligomerization/Polymerization**
By Trzeciak, Anna M.
From Topics in Organometallic Chemistry (2015), 51(Ionic Liquids (ILs) in Organometallic Catalysis), 307-322. | Language: English, Database: CAPLUS
A review. This short review presents selected examples of polymn. and oligomerization reactions catalyzed by transition metal complexes in ionic liq. media. Anal. of these data to some extent supports the popular opinion that ionic liqs. are not inert solvents but rather should frequently be considered co-catalysts. In particular, the application of imidazolium salts makes possible the formation of carbene complexes and consequently changes catalytic activity in many cases.
- 3. Imidazolium-based ionic liquids grafted on solid surfaces**
By Xin, Bingwei; Hao, Jingcheng
From Chemical Society Reviews (2014), 43(20), 7171-7187. | Language: English, Database: CAPLUS
A review. Supported ionic liqs. (SILs), which refer to ionic liqs. (ILs) immobilized on supports, are among the most important derivs. of ILs. The immobilization process of ILs can transfer their desired properties to substrates. Combination of the advantages of ILs with those of support materials will derive novel performances while retaining properties of both moieties. SILs have been widely applied in almost all of fields involving ILs, and have brought about drastic expansion of the ionic liq. in org. catalytic reactions, based on utilizing the ability of ILs to s...

A red box highlights the title of the third reference, and a red arrow points from the text '文献详细信息' to it.

文献详细信息

Save : 保存在服务器上, 方便以后登陆查看, 每次可存1万条记录。

Export : 导出至本地电脑。

Print : 打印成PDF格式

Citation manager: 保存成RIS等格式, 可导入EndNote 等文献管理工具

Offline Review : 保存成PDF, RTF等格式, 用于脱机浏览

The screenshot shows the 'Export' dialog box in SciFinder. It has three main sections:

- Export:** Radio buttons for 'All', 'Selected', and 'Range'. Below is an input field for a range (Example: 2-20).
- For:** Radio buttons for 'Citation Manager' (with sub-options: Citation export format (*.ris), Quoted Format (*.bt), Tagged Format (*.bt)), 'Offline review' (with sub-options: Portable Document Format (*.pdf), Rich Text Format (*.rtf), Answer Keys (*.bt)), and 'Saving locally' (with sub-option: Answer Key eXchange (*.akx)).
- Details:** A 'File Name' field containing 'Reference_06_19_2012_100848'. Below are radio buttons for 'Format' (Summary without abstracts, Summary with partial abstracts, Summary with full abstracts, Detail (full record)) and 'Saving locally' (Task History, Tags, Comments).

Buttons for 'Export' and 'Cancel' are at the bottom right.

文献信息—题录、摘要、索引

获得引文及参考文献

REFERENCE DETAIL Get Substances Get Related Citations Link to Other Sources Send to SciFinder

Return Previous Next

4. The Partial Hydrogenation of 1,3-Dienes Catalyzed by Soluble Transition-Metal Nanoparticles

By: Luza, Leandro; Gual, Aitor; Dupont, Jairton

A review. The partial hydrogenation of a 1,3-dienes is a structure sensitive reaction that is typically catalyzed by classical heterogeneous (heterotopic) or homogeneous (homotopic) catalysts. Recently, sol. transition-metal nanoparticles (M-NPs), particularly palladium and gold-based systems, have emerged as an efficient alternative. Here, the authors review the current state of the techniques for the partial hydrogenation of 1,3-dienes by M-NPs and conclude that, from the reactivity point of view, these materials possess heterotopic-like and homotopic-like characteristics. They are heterotopic-like because the relative concn. of the monoalkene with respect to the diene does not affect the product selectivity and their catalytic performance is affected by their phys. properties (such as size and shape). Furthermore, they are easily recoverable, with long catalytic lifetimes. Addnl., as homotopic systems, their reactivity can be tuned by using an appropriate org. stabilizer, which displays substrate-selective levels that are not obsd. for classical heterotopic catalysts.

Indexing

General Organic Chemistry (Section 21.0)

Concepts 重要概念

- Hydrogenation
- Ionic liquids
- Polymer-supported catalysts
- Hydrogenation catalysts
- Nanoparticles
- Surfactants

Substances 重要物质

- 7439-89-6 Iron (nanoparticles), uses
- 7440-05-3 Palladium (nanoparticles), uses
- 7440-16-6 Rhodium (nanoparticles), uses
- 7440-18-8 Ruthenium (nanoparticles), uses
- advances in development of methods for synthesis of alkene derivs. by transition-metal catalyst hydrogenation of alkadienes
- Catalyst use; Uses
- 592-57-4 1,3-Cyclohexadiene
- advances in development of methods for synthesis of alkene derivs. by transition-metal catalyst hydrogenation of alkadienes
- Reactant; Reactant or reagent

文献详情界面包括：

1. 标题
2. 摘要
3. 文献中重要的技术术语
4. 文献中重要的物质
5. 书目信息
6. 获得文献中的物质，反应
7. 参考文献
8. 链接原文

QUICK LINKS

0 Tags, 0 Comments

SOURCE

ChemCatChem
Volume6
Issue3
Pages702-710
Journal; General Review;
Online Computer File
2014
CODEN:CHEMK3
ISSN:1867-3880
DOI:10.1002/cctc.201300673

COMPANY/ORGANIZATION

UFRGS, Avenida Bento
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Institute of Chemistry
Porto Alegre, Brazil 91501-
970 RS

ACCESSION NUMBER

2013:1749284
CAN160:412993
CAPLUS

PUBLISHER

Wiley-VCH Verlag GmbH &
Co. KGaA

文献检索小结

- 主题检索时，使用介词 **in, with, of** 等作为连接词
- 跟据检索要求选择合适的候选项
- 通过SciFinder 的**Analyze/Refine**功能来缩小检索的范围
- 尝试将不同的**Analyze/Refine**功能组合起来用，会有更多的收益
- 使用**Categorize**可以让系统来实现自动分类

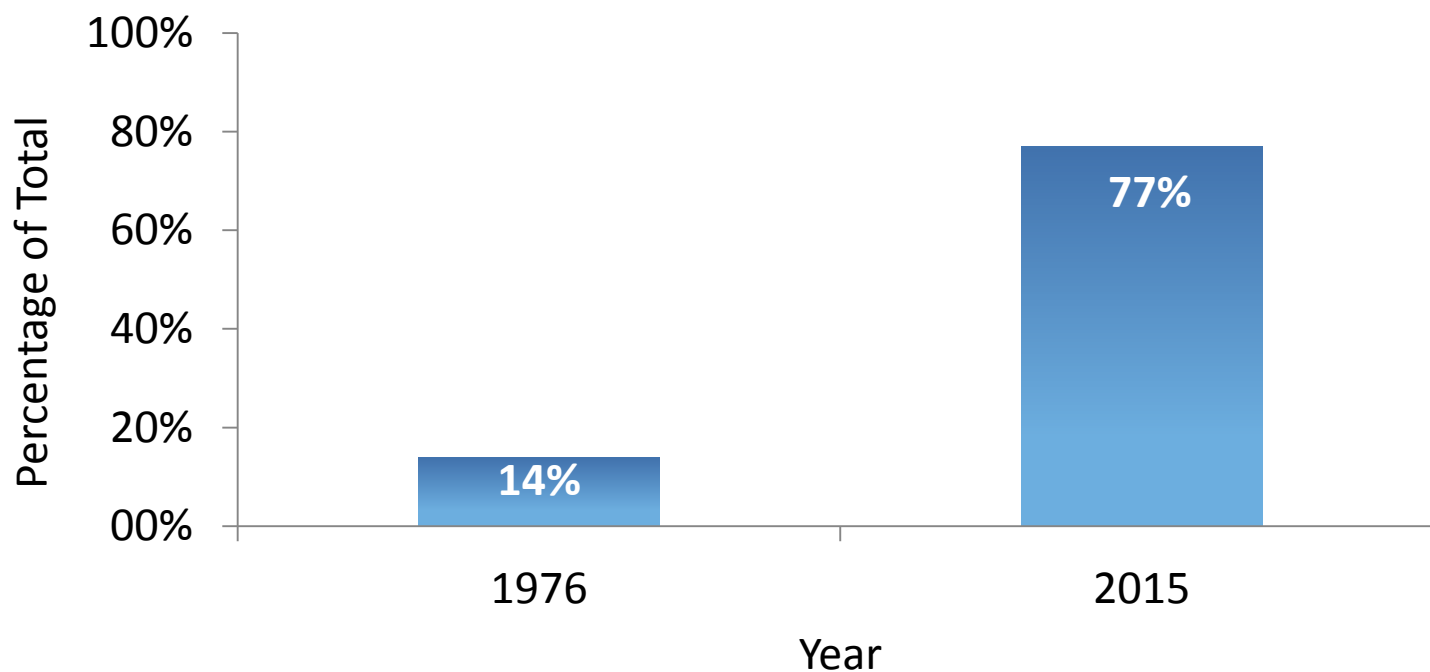
PatentPakTM

专利工作流程解决方案



越来越多的新化合物倾向于首先通过专利公布

Percentage of New Compounds from Patents



PatentPak——专利工作流程解决方案

在SciFinder检索结果中，看到PatentPak图标即可点击

点击专利号，获取PatentPak Viewer

The claimed herbicidal formulations contain active ingredients from the group of N-(1,3,4-oxadiazol-2-yl)-arylcarboxylic acid amides (I; where A = N or C-alkyl, C-halogenalkyl, etc., R = alkyls, halogenalkyls, etc., X = alkyls and substituted alkyls, and Z = H, halogens, and substituted alkyls). The claimed amides can be formulated in mixts. with other herbicides and optional herbicide safeners. The herbicide combinations were evaluated against 15 test weeds. The herbicidal formulations are suitable for weed control in agricultural crops (esp. genetically modified crops) and other useful pl...

8. Preparation of 6-fluoro-9-methyl- β -carboline for the treatment of ear disease

Quick View

PatentPak

By Rommelspacher
From Eur. Pat. Appl.

Patent No.	Kind	Language
EP 2853533	Interactive	German

Patent Family

WO 2015044434	A2	German
WO 2015044434	A3	German

... methyl- β -carboline (I) and pharmaceutical compns. thereof useful in the treatment of acute and chronic inner ear diseases. ... 6-1-methyl-1H-Indole-3-ethanamine hydrochloride with 2,2-dihydroxyacetic acid followed by decarboxylation and redn. and

9. Preparation of fluoro-substituted 9-methyl- β -carbolines for the treatment of ear diseases

Quick View

PatentPak

By Rommelspacher, Hans; Enzensperger, Christoph
From PCT Int. Appl. (2015), WO 2015044434 A2 20150402. | Language: German, Database: CAPLUS

PatentPak——专利工作流程解决方案

PatentPak浏览器

下载带有物质信息汇总表格的专利PDF文件

The screenshot displays the PatentPak viewer interface. On the left, there is a sidebar with two patent entries. The top entry is for CAS RN 1689575-79-8, featuring a chemical structure of a substituted indole derivative. Below the structure, there are links for 'Search in SciFinder' and 'View Detail', and 'Analyst Markup Location' with markers for 'page 38' and 'page 60'. The bottom entry is for CAS RN 24335-20-4, also showing a chemical structure. The main content area shows a patent document with a table of contents and a detailed description. The table of contents includes 'Beispiele' and 'Beispiel 1a: Synthese von 6-Fluor-9-methyl-β-carbolin'. The detailed description includes a list of steps (5, 10, 15) and a chemical structure of a substituted indole derivative. The interface includes a top navigation bar with 'PAGE 38 / 75', 'ZOOM' controls, and 'DOWNLOAD PDF' and 'LOAD PDF' buttons. Callouts highlight these features: 'PatentPak浏览器' (top left), '下载带有物质信息汇总表格的专利PDF文件' (top right), '下载专利PDF文件' (middle left), '专利PDF文件' (middle right), and '在PatentPak Viewer中点击物质下面的灯泡，快速定位到PDF文件中的物质信息' (bottom right).

节省您最宝贵的资源——时间



- 即时获得来自世界上31家专利授权机构的逾900万份专利PDF文件，且数量持续增加
- 专利族涵盖了多种语言
- 通过CAS登记号获得物质在专利文献中的相关信息
- 专利研究安全保密
- 每日更新
- SciFinder检索功能中内置交互式浏览器

提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

SciFinder检索选项——物质检索

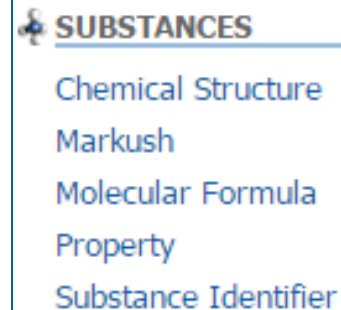
■ 物质检索方法

—结构式检索

—分子式检索

—理化性质检索

—物质标识符检索：化学名称，CAS RN



The image shows a screenshot of the SciFinder interface. At the top, there is a purple icon of a flask and the word "SUBSTANCES" in bold purple text, underlined. Below this, there is a list of search options: "Chemical Structure", "Markush", "Molecular Formula", "Property", and "Substance Identifier".

■ 物质检索策略推荐

—有机化合物，天然产物：结构检索

—无机物，合金：分子式检索

—高分子化合物：分子式检索和结构检索

物质检索——标识符检索

Explore ▾ Saved Searches ▾ SciPlanner

Research Topic "ionic liquid with catalysis" > references (16803) > refine "Review" (1224) > refine by c

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

SUBSTANCES

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

SUBSTANCES: SUBSTANCE IDENTIFIER

UHMWPE

Enter one per line.
Examples:
50-00-0
999815
Acetaminophen

Search

提示：
1. 一次最多可输入25个物质。
2. 每行一个物质标识符。

物质标识符包括CAS RN和化学名称，化学名称可以是通用名称、商品名、俗名。

SciFinder中的物质记录

点击CAS RN 获得物质详细信息

The screenshot displays the SciFinder interface for a substance record. At the top, it shows "0 of 1 Substance Selected". Below this, a search bar contains the CAS Registry Number "9002-88-4". To the left of the search bar, there are icons for "359876" and "112". The main content area shows the substance name "(C₂H₄)_x Ethene, homopolymer" and its chemical structure C=C. A context menu is open over the structure, listing various actions: "View Substance Detail", "Explore by Structure", "Synthesize this...", "Get Reactions where Substance is a", "Get Commercial Sources", "Get Regulatory Information", "Get References", "Export as Image", "Export as molfile", and "Send to SciPlanner".

在SciFinder中，鼠标滑过物质，即可打开物质标准菜单，获得与物质相关的所有内容

SciFinder中的物质记录

SUBSTANCE DETAIL ?

Get References Get Reactions Get Commercial Sources

Return

CAS Registry Number 9002-88-4

~359,876 ~112

(C₂H₄)_x
Ethene, homopolymer
Polymer

Polymer Class Terms
Polyolefin

Melting Point (Experimental)
Value: 100-120 °C

Boiling Point (Experimental)
Value: 48-110 °C | Condition: Press: 9 Torr

Density (Experimental)
Value: 0.9745 g/cm³ | Condition: Temp: 25 °C

Other Names
Ethylene, polymers (8CI)
0017ZSK
0100F
0134M
030S
[View more...](#)

74-85-1
C₂H₄
CH₂=CH₂

物质详情

由物质获得文献，反应，供应商等信息

通过物质获得文献

Get References

Retrieve references for:

All substances
 Selected substances

Limit results to:

<input type="checkbox"/> Adverse Effect, including toxicity	<input type="checkbox"/> Preparation
<input type="checkbox"/> Analytical Study	<input type="checkbox"/> Process
<input type="checkbox"/> Biological Study	<input type="checkbox"/> Properties
<input type="checkbox"/> Combinatorial Study	<input type="checkbox"/> Prophetic in Patents
<input type="checkbox"/> Crystal Structure	<input type="checkbox"/> Reactant or Reagent
<input type="checkbox"/> Formation, nonpreparative	<input type="checkbox"/> Spectral Properties
<input type="checkbox"/> Miscellaneous	<input type="checkbox"/> Uses
<input type="checkbox"/> Occurrence	

For each sequence, retrieve:

Additional related references, e.g., activity studies, disease studies.

分析化学

生物研究

制备

工艺

谱图数据

用途



SCIFINDER
A CAS SOLUTION

▼ EXPERIMENTAL PROPERTIES

Biological Chemical Density Electrical Electronic Flow and Diffusion Interface Magnetic Mechanical Nuclear Optical and Scattering Structure Related Thermal

Interface Properties	Value	Condition	Note
Contact Angle	See full text	1 of 31	(12)CAS
Surface Tension	See full text	1 of 12	(872)CAS

Notes

(12) Choi, Woo-Zin; Geosystem Engineering 2004, V7(3), P57-62 CAPLUS 🔍
(872) Sanchis, M. R.; European Polymer Journal 2006, V42(7), P1558-1568 CAPLUS 🔍

实验数据与实验谱图

▼ EXPERIMENTAL SPECTRA

¹H NMR ¹³C NMR Hetero NMR IR Mass Raman UV and Visible X-Ray Additional Spectra

¹ H NMR Properties	Value	Condition	Note
Proton NMR Spectrum	See full text	1 of 15	(1313)CAS

Notes

(1313) Kemmere, Maartje; DECHEMA Monographien 2004, V138(8th International Workshop on Polymer Reaction Engineering, 2004), P189-195 CAPLUS 🔍

▶ REGULATORY INFORMATION

▶ CAS REFERENCE ROLES

▶ ADDITIONAL DETAILS

物质检索——Property explore

CAS Solutions ▾

SciFINDER
A CAS SOLUTION

Explore ▾ Saved Searches ▾ SciPlanner

Substance Identifier "UHMWPE" > substances (1) > 9002-88-4

REFERENCES

- Research Topic
- Author Name
- Company Name
- Document Identifier
- Journal
- Patent
- Tags

SUBSTANCES

- Chemical Structure
- Markush
- Molecular Formula
- Property
- Substance Identifier

SUBSTANCES: PROPERTY ?

Experimental

Electric Resistance (ohm) ▾ >125
Examples: 44, 25-35, >125

Predicted

Select Property... ▾
Examples: 44, 25-35, >125

Search

寻找电阻率大于125ohm的含铁物质

物质结果集的筛选——Refine

SUBSTANCES ?

Get References

Get Reactions

Get Commercial Sources

Tools v

Create Keep Me Posted Alert

Send to SciPlanner

Analyze

Refine

Sort by: CAS Registry Number v

Display Options

v 0 of 137 Substances Selected

Analyze by: ?

Elements

O 73

C 37

H 30

Fe 19

N 19

Mg 16

Ca 13

Cr 13

Se 13

In 12

Show More

1. 1360099-47-3 ?

~250

Component	Component Ratio
Te	x
Cd	x
Hg	x

Cd . Hg . Te

Cadmium mercury telluride

Experimental Properties

2. 1262894-47-2 ?

~2

Double bond geometry as shown.,Relative stereochemistry.

C₂₅ H₂₀ N₄ O

Component	Component Ratio
Te	1.8
Se	0.2
In	0.1
Cu	0.1
Cd	1.8

3. 1160936-40-2 ?

~1

Component	Component Ratio
Te	1.8
Se	0.2
In	0.1
Cu	0.1
Cd	1.8

4. 1160936-38-8 ?

~1

Component	Component Ratio
Te	1.6
Se	0.4
In	0.2
Cu	0.2
Cd	1.6

0 of 19 Substances Selected

1. 775325-57-0 ?

~1

Component	Component Ratio
O	2.82
Ca	0.02
Mg	0.1
Fe	1.8

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.02}Fe_{1.8}Mg_{0.1}O_{2.82})

Experimental Properties

2. 775325-56-9 ?

~1

Component	Component Ratio
O	2.74
Ca	0.14
Mg	0.2
Fe	1.6

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.14}Fe_{1.6}Mg_{0.2}O_{2.74})

Experimental Properties

3. 775325-55-8 ?

~1

Component	Component Ratio
O	2.67
Ca	0.07
Mg	0.2
Fe	1.6

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.07}Fe_{1.6}Mg_{0.2}O_{2.67})

Experimental Properties

4. 775325-54-7 ?

~1

Component	Component Ratio
O	2.64
Ca	0.04
Mg	0.2
Fe	1.6

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.04}Fe_{1.6}Mg_{0.2}O_{2.64})

Experimental Properties

5. 775325-53-6 ?

~1

Component	Component Ratio
O	2.44
Ca	0.14
Mg	0.35
Fe	1.3

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.14}Fe_{1.3}Mg_{0.35}O_{2.44})

Experimental Properties

6. 775325-52-5 ?

~1

Component	Component Ratio
O	2.37
Ca	0.07
Mg	0.35
Fe	1.3

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.07}Fe_{1.3}Mg_{0.35}O_{2.37})

Experimental Properties

7. 775325-51-4 ?

~1

Component	Component Ratio
O	2.34
Ca	0.04
Mg	0.35
Fe	1.3

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.04}Fe_{1.3}Mg_{0.35}O_{2.34})

Experimental Properties

8. 775325-50-3 ?

~1

Component	Component Ratio
O	2.14
Ca	0.14
Mg	0.5
Fe	1

Ca . Fe . Mg . O

Calcium iron magnesium oxide
(Ca_{0.14}FeMg_{0.5}O_{2.14})

Experimental Properties

如何筛选含铁物质？

物质检索——分子式

检索(N H4) Sm (S O4)2 (H2 O)4, Ammonium Samarium Bis(sulfate(VI)) Tetrahydrate

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: MOLECULAR FORMULA ⓘ

4H2 O. N H3. 2H2 O4 S. Sm

Examples:
H4SiO4
(C3H6O.C2H4O)x

Search

1. 34370-41-7 ⓘ
(Component: 7664-93-9)
--12 ⓘ

- 1/2 NH₃
- 2 H₂O
- 1/2 Sm(III)

H₂N · 2H₂O₄S · 4H₂O · Sm
Sulfuric acid, ammonium samarium(3+) salt (2:1:1), tetrahydrate (8CI,9CI)

分子式输入需要遵守Hill排序规则：不含碳化合物，按元素符号的字母顺序排列；分子式为含碳化合物时，则“C”在前；如有氢则紧随其后，其它元素符号按字母顺序排在氢的后面

物质检索——结构

The screenshot displays the SciFinder web interface for chemical structure search. On the left is a navigation menu with three main sections: REFERENCES, SUBSTANCES, and REACTIONS. Under SUBSTANCES, 'Chemical Structure' is highlighted with a purple box. The main content area is titled 'SUBSTANCES: CHEMICAL STRUCTURE' and features a 'Structure Editor' window with 'Java' and 'Non-Java' tabs and a 'Click to Edit' prompt. To the right, the 'Search Type' section includes radio buttons for 'Exact Structure', 'Substructure' (selected), and 'Similarity', along with a 'Show precision analysis' checkbox. A 'ChemDraw' logo is visible with the text 'Launch a SciFinder substance or re'. At the bottom, there is an 'Import CXF' link, a blue 'Search' button, and options for 'Advanced Search' and 'Always Show'.

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

Search Type:

- Exact Structure
- Substructure
- Similarity

Show precision analysis

ChemDraw

Launch a SciFinder substance or re

Import CXF

Search

[Advanced Search](#) Always Show

物质检索——结构

The image shows a screenshot of the 'Structure Editor' software interface. The interface includes a toolbar on the left with various drawing and editing tools, a central workspace for drawing chemical structures, and a 'Drawing Editor' panel on the right. The 'Drawing Editor' panel has radio buttons for 'Structure', 'Reaction', and 'Markush', and search options for 'Exact search', 'Substructure search', and 'Similarity search'. The interface also features a command line at the bottom with the text '(query)' and a list of elements: C, H, O, S, N, P, Cl, Br, F, I, Si. The interface is annotated with numerous Chinese labels pointing to specific tools and features.

橡皮

结构和反应切换功能

铅笔

元素周期表

可变基团

重复基团工具

碳链工具

选择工具

环锁定工具

旋转工具

正电子

负电子

C原子和单键恢复工具

常用基团

R基团定义工具

可变位置连接工具

模版工具

索套选择工具

原子锁定工具

镜面旋转工具

结构检索选择

单双键, RS构型, 不确定键定义工具

常见环, 多元环工具

物质检索——精确结构检索

Structure Editor

Draw or change atoms or bonds. Shortcut Keys

Sm

H
|
H—N—H
|
H

O
||
O=S=O
|
O

H
|
O
|
H

Drawing Editor:
 Structure
 Reaction
 Markush

Get substances that match your query using:
 Exact search
 Substructure search
 Similarity search

OK
Cancel

Sm . H₄N . H₂O₂S . H₂O 150.36 . 18.04 . 98.08 . 18.02

限定为单一组分

精确结构检索

物质检索——精确结构检索

Sort by: CAS Registry Number ↑ **倒序排列** Display Options

0 of 5 Substances Selected

<p>1. 34370-41-7 </p> <p>(Component: 7664-93-9)</p> <p>~12 </p> <ul style="list-style-type: none">• 1/2 NH₄⁺• 2 H₂O• 1/2 Sm(III) <p>H₃N · 2 H₂O₄S · 4 H₂O · Sm Sulfuric acid, ammonium samarium(3+) salt (2:1:1), tetrahydrate (8CI,9CI)</p>	<p>2. 40148-71-8 </p> <p>(Component: 7664-93-9)</p> <p>~1 </p> <ul style="list-style-type: none">• NH₄⁺• 1/3 H₂O• 1/3 Sm(III) <p>H₃N · H₂O₄S · 1/3 H₂O · 1/3 Sm Sulfuric acid, ammonium samarium(3+) salt (3:3:1), monohydrate (9CI)</p>	<p>3. 40148-74-1 </p> <p>(Component: 7664-93-9)</p> <p>~1 </p> <ul style="list-style-type: none">• 1/2 NH₄⁺• H₂O• 1/2 Sm(III) <p>H₃N · 2 H₂O₄S · 2 H₂O · Sm Sulfuric acid, ammonium samarium(3+) salt (2:1:1), dihydrate (9CI)</p>	<p>4. 42949-48-4 </p> <p>~1 </p> <p>49856-58-8 (Component: 736080-59-4) H₂O₁₁S₂Sm · H₄N · H₂O</p> <ul style="list-style-type: none">• NH₄⁺• H₂O <p>(H₂O₁₁S₂Sm · H₄N · H₂O)_n Samarate(1-), triaquabis[sulfato(2-)-O,O']-, ammonium monohydrate, homopolymer (9CI)</p>
<p>5. 49856-58-8 </p> <p>(Component: 736080-59-4)</p> <p>~0 </p> <ul style="list-style-type: none">• NH₄⁺• H₂O <p>H₂O₁₁S₂Sm · H₄N · H₂O Samarate(1-), triaquabis[sulfato(2-)-O,O']-, ammonium monohydrate (9CI)</p>			

物质检索——精确结构检索

- 精确结构检索：

获得被检索结构的盐，混合物，配合物，聚合物等，
被检结构不能被取代

物质检索——亚结构检索

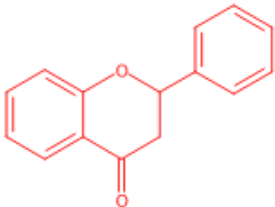
The screenshot displays the 'Structure Editor' window. The central workspace shows a chemical structure of a benzodioxane derivative with a phenyl group. The interface includes a toolbar on the left with various drawing tools, a top toolbar with file operations, and a right-hand panel with search settings. The search settings panel is titled 'Get substances that match your query using:' and has three radio buttons: 'Exact search', 'Substructure search' (which is selected and highlighted with a purple box), and 'Similarity search'. Below the search settings are 'OK' and 'Cancel' buttons. At the bottom of the window, the molecular formula $C_{15}H_{12}O_2$ and the molecular weight 224.26 are displayed.

物质检索——亚结构检索

0 of 23824 Substances Selected

1. 487-26-3

~2093

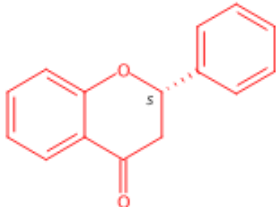


$C_{15}H_{12}O_2$
4-phenyl-4H-1-benzopyran-4-one, 2,3-dihydro-2-phenyl-

▶ Key Physical Properties
Regulatory Information
Spectra
Experimental Properties

2. 17002-31-2

~244



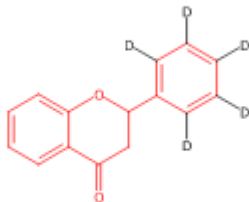
Absolute stereochemistry...Rotation (-).

$C_{15}H_{12}O_2$
4-phenyl-4H-1-benzopyran-4-one, 2,3-dihydro-

▶ Key Physical Properties
Experimental Properties

10. 146196-91-0

~1 ~5



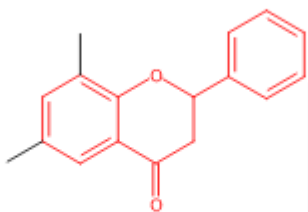
$C_{15}H_7D_5O_2$
4-(phenyl-d₅)-4H-1-benzopyran-4-one, 2,3-dihydro-2-(phenyl-d₅)- (9CI)

Spectra

同位素

亚结构检索结果

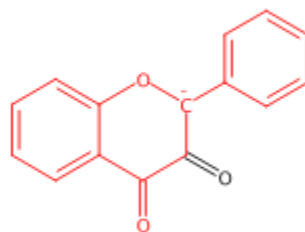
取代物



$C_{17}H_{16}O_2$
4H-1-Benzopyran-4-one, 2,3-dihydro-6,8-dimethyl-

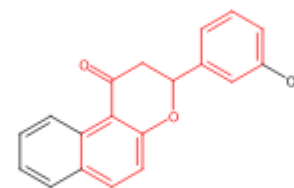
▶ Key Physical Properties
Experimental Properties

离子



$C_{15}H_9O_3$
2H-1-Benzopyran-3,4-dione, 2-phenyl-, ion(1-)

稠环物质



$C_{19}H_{14}O_3$
1H-Naphtho[2,1-b]pyran-1-one, 2,3-dihydro-3-(3-hydroxyphenyl)-

▶ Key Physical Properties

亚结构检索结果的限定

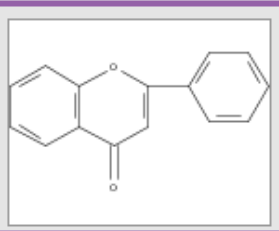
化学结构的再次限定

Analysis **Refine**

Refine by: ⓘ

- Chemical Structure
- Isotope-Containing
- Metal-Containing
- Commercial Availability
- Property Availability
- Property Value
- Reference Availability
- Atom Attachment

Chemical Structure:

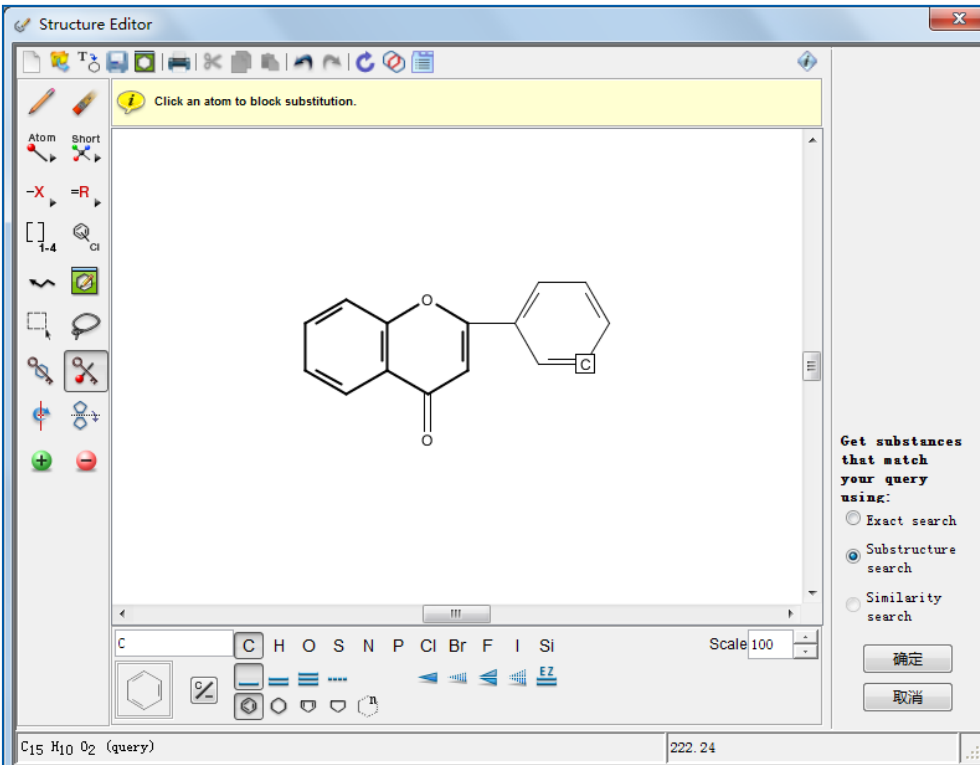


Click image to change structure or view detail

Search type: **Substructure**

Structure Editor

Click an atom to block substitution.



Get substances that match your query using:

- Exact search
- Substructure search
- Similarity search

确定 取消

C₁₅ H₁₀ O₂ (query) 222.24



环锁定

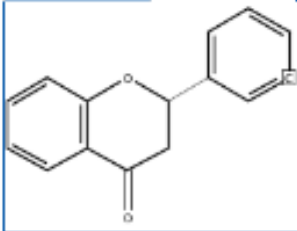


原子锁定

亚结构检索结果的限定

Structure Editor:

Java Non-Java



Click image to change structure or view detail.
Search type: **Substructure**

Only retrieve substances that:

- Have references
- Are commercially available
- Are a single component
- Are in specific substance classes
- Are in specific types of studies

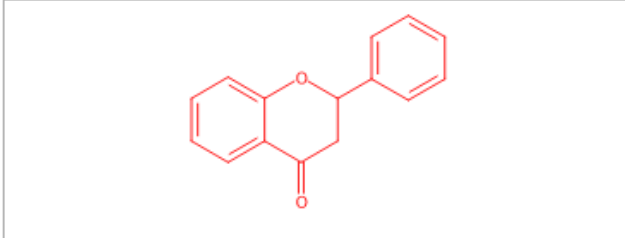
Refine

Get References Get Reactions Get Commercial Sources Tools

Sort by: Relevance

0 of 13826 Substances Selected

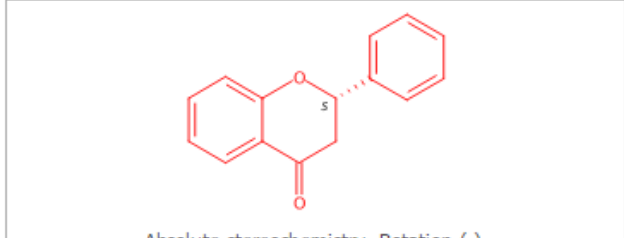
1. 487-26-3
~2093



$C_{15}H_{12}O_2$
4H-1-Benzopyran-4-one, 2,3-dihydro-2-phenyl-

Key Physical Properties
Regulatory Information
Spectra
Experimental Properties

2. 17002-31-2
~244



Absolute stereochemistry., Rotation (-).

$C_{15}H_{12}O_2$
4H-1-Benzopyran-4-one, 2,3-dihydro-2-phenyl-, (2S)-

Key Physical Properties
Experimental Properties

4. 104550-32-5
~3

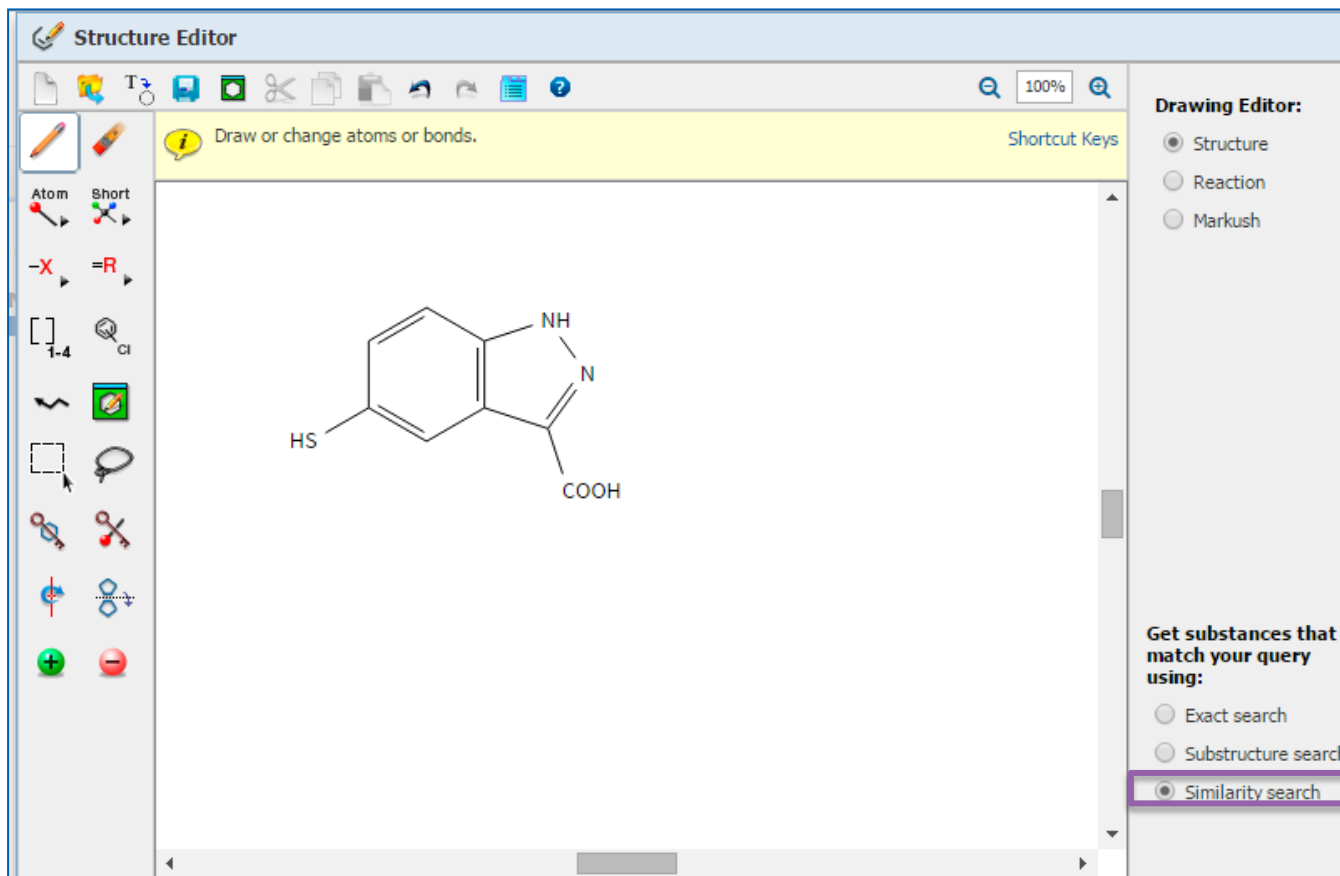
5. 75524-43-5
~2

物质检索——亚结构检索

- 亚结构检索：

包括精确结构检索结果，及被检索结构的修饰结构

物质检索——相似结构检索



相似结构检索结果

Select All Deselect All

0 of 6 Similarity Candidates Selected

	Substances
<input type="checkbox"/> ≥ 99 (most similar)	0
<input type="checkbox"/> 95-98	0
<input type="checkbox"/> 90-94	0
<input type="checkbox"/> 85-89	11
<input type="checkbox"/> 80-84	34
<input type="checkbox"/> 75-79	84
<input type="checkbox"/> 70-74	267
<input type="checkbox"/> 65-69	696
<input type="checkbox"/> 0-64 (least similar)	1818

Get Substances

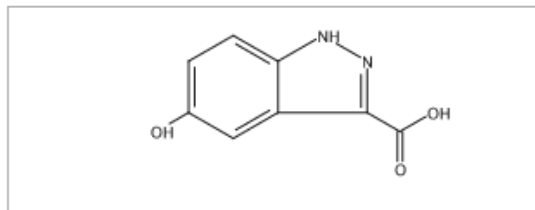
评分越高，相似度越高，结构越相似

Score: 88

1. 885518-94-5

取代基变化

~1 ~35



$C_8H_6N_2O_3$

1H-Indazole-3-carboxylic acid, 5-hydroxy-

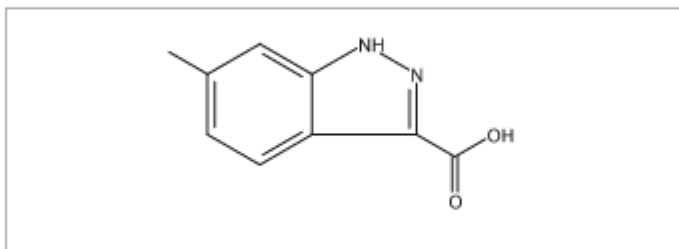
▶ Key Physical Properties

Score: 86

5. 858227-12-0

取代基位置变化

~7 ~41



$C_9H_8N_2O_2$

1H-Indazole-3-carboxylic acid, 6-methyl-

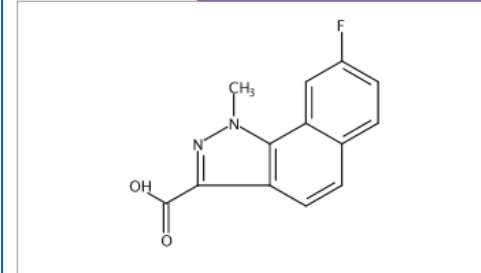
▶ Key Physical Properties

Score: 65

541. 1100422-

母体结构变化

~1



$C_{13}H_9FN_2O_2$

1H-Benz[σ]indazole-3-carboxylic acid, 8-fluoro-1-methyl-

▶ Key Physical Properties



SCIFINDER®
A CAS SOLUTION

物质检索——相似结构检索

- 相似结构检索：

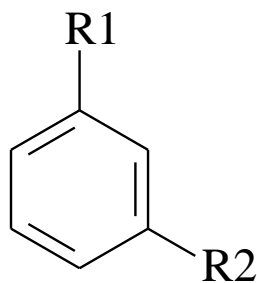
获得片段或整体结构与被检索结构相似的结果，母体结构可以被取代，也可以被改变

提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

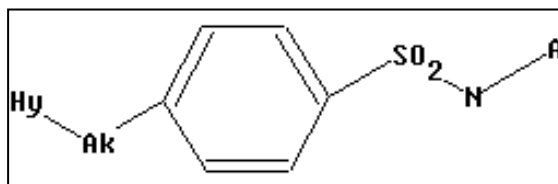
Markush检索

- 具体物质[Specific Substance]：
 - 以具体化学结构陈述的特定物质，会被分配CAS RN
- 预测性物质[Prophetic Substance]：
 - 使用Markush结构陈述的预测物质，一个Markush可以陈述上百或上千个化学物质
 - 专利中所陈述的预测物质，不会被分配CAS RN
 - Markush检索，能检索到通过结构检索检不到的专利



R1 = H, Br, Cl, I

R2 = Br, Cl, I, —CH₂—halogen, —CH—halogen,
|
CH₃



可用SciFinder中的Markush检索
查看专利中化合物结构保护范围。

Structure Editor interface showing the chemical structure and the Markush search options.

Structure Editor

Draw or change atoms or bonds. Shortcut Keys

Drawing Editor:

- Structure
- Reaction
- Markush

Get Markush patents where the structure(s) are:

- Variable only at the specified positions
- Substructures of more complex structures

OK Cancel

Markush检索

SCIFINDER
A CAS SOLUTION

Welcome Helen Zhu

Explore ▾ Saved Searches ▾ SciPlanner Save Print Export

Markush substructure > references (1969) > Compounds and methods for anti...

REFERENCES ⓘ

Get Substances Get Reactions Get Related Citations Tools ▾ Create Keep Me Posted Alert Send to SciPlanner

Analyze Refine Categorize

Sort by: Accession Number ▾ ↓

0 of 1969 References Selected

Display Options

Analyze by: Document Type ▾

Patent	1969
Journal	1

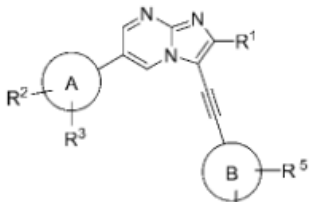
Show More

全部是专利

1. **Compounds and methods for anticoagulation therapy**
PATENTPAK
By Allende Rodriguez, Mikel; Hermida Santos, Jose; Montes Diaz, Ramon; Oyarzabal Santamarina, Julen
From PCT Int. Appl. (2016), WO 2016120432 A1 20160804. | Language: English, Database: CAPLUS

The invention relates to certain compds. that are inducers of Heat shock 70 kDa protein 1A/1B (HSPA1A/B) and their use for anticoagulation therapy; and to a method for anticoagulation therapy that comprises the administration of one of these inducer compds. It has been here proved that induction of Heat shock 70 kDa protein 1A/1B by administration of one of these inducer compds. has antithrombotic effects without accelerating or altering bleeding time.

2. **Preparation of new imidazopyrimidine derivatives as negative allosteric modulators of metabotropic glutamate receptor subtype 2 (mGlu2 receptor)**
PATENTPAK
By Urashima, Kuniko; Tojo, Kengo; Koike, Shoko; Masumoto, Shuji
From Jpn. Kokai Tokkyo Koho (2016), JP 2016132660 A 20160725. | Language: Japanese, Database: CAPLUS



The title imidazo[1,2-a]pyrimidine derivs. I [R¹ = H or halogen; ring A Ph or pyridyl; R², R³ (same or different) = hydrogen, halogen, C₁₋₄ alkyl or C₁₋₄ alkoxy each optionally substituted with 1-5 halogen atoms; or in case where R² and R³ are at the adjacent substitution position, R² and R³ together with ring A form C₅₋₈ carbocyclic ring (optionally substituted with 1-5 halogen or 1-2 hydroxy group) or 5- or 6-membered satd. heterocyclic ring; ring B = Ph or pyridyl; R⁴, R⁵ (same or different) = H, halogen, hydroxy, amino, -C(O)OR^a, -C(O)NR^b, SO₃H, SO₂NR^aR^b, SO₂R^b, or NR^aSO₂R^b; R^a, R^b (same...

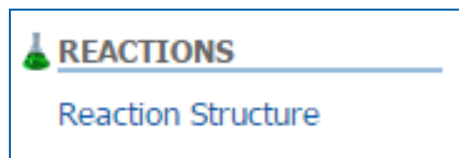
提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

SciFinder检索选项——反应检索

- 反应检索方法

结构式



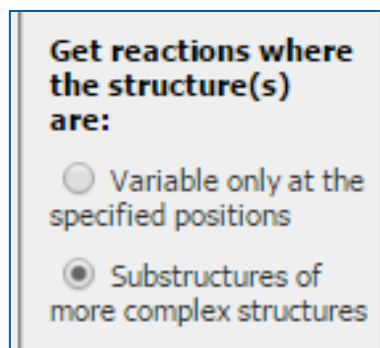
- 常用获取方法

已知物质：由物质获取反应

已知文献：从文献中获取反应

精确结构反应检索

亚结构反应检索



反应绘制工具

The screenshot shows the 'Structure Editor' window. The top toolbar includes icons for file operations and a search bar. Below the toolbar is a yellow status bar with the text 'Draw or change atoms or bonds.' and 'Shortcut Keys'. The main workspace is a large empty area. On the right side, there is a 'Drawing Editor' panel with radio buttons for 'Structure', 'Reaction', and 'Markush', with 'Reaction' selected. Below this is a section titled 'Get reactions where the structure(s) are:' with two radio buttons: 'Variable only at the specified positions' and 'Substructures of more complex structures', with the latter selected. At the bottom right are 'OK' and 'Cancel' buttons. The bottom status bar shows '16.04'. The left sidebar contains various drawing tools, including atom and bond drawing tools, and a list of functional groups. Four purple boxes with white text and arrows point to specific tools: '反应箭头' (Reaction Arrow) points to the green arrow tool; '反应原子标记工具' (Reaction Atom Marking Tool) points to the 'A B' tool; '官能团列表' (Functional Group List) points to the 'alcohol ketone' list; and '反应位置标记工具' (Reaction Position Marking Tool) points to the tool with a red arrow and a plus sign.

反应箭头

反应角色工具

反应原子
标记工具

官能团列表

反应位置
标记工具

SciFinder反应检索——精确反应检索

The screenshot displays the SciFinder Structure Editor interface. The central workspace shows a chemical reaction: nitrobenzene (reactant) is converted to aniline (product). The reactant is a benzene ring with a nitro group (NO_2) at the para position, and the product is a benzene ring with an amino group (NH_2) at the para position. The interface includes a drawing toolbar on the left with various tools for creating and editing chemical structures. The 'Drawing Editor' panel on the right has three radio buttons: 'Structure', 'Reaction' (which is selected), and 'Markush'. Below these, there are two options for 'Get reactions where the structure(s) are:': 'Variable only at the specified positions' and 'Substructures of more complex structures'. A callout box with the Chinese text '精确反应检索' (Precise Reaction Search) points to the 'Substructures of more complex structures' option. At the bottom of the interface, there is a search bar containing 'NH2', a list of elements (C, H, O, S, N, P, Cl, Br, F, I, Si), and a molecular formula $\text{C}_7\text{H}_7\text{NO}_2 \cdot \text{C}_7\text{H}_7\text{N}$.

精确反应检索

反应检索结果

浏览记录，发现很多反应来自同一篇文章，通过Group by Document合并。

1. [View Reaction Detail](#) [Link](#) [Similar Reactions](#)

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

Cc1ccc(cc1[N+](=O)[O-]) → Cc1ccc(cc1)N

~102 **100%** ~122

Overview

Steps/Stages

1.1 R:NaBH₄, C:1832616-28-0, C:Ru, S:H₂O, S:THF, 45 min, 25°C

Notes

solid-supported catalyst, ruthenium supported on porous organic polymer used, reusable catalyst, sealed tube used, scalable, Reactants: 1, Reagents: 1, Catalysts: 2, Solvents: 2, Steps: 1, Stages: 1, Most stages in any one step: 1

References

Fabrication of Ruthenium Nanoparticles in Porous Organic Polymers: Towards Advanced Heterogeneous Catalytic Nanoreactors

获取相似反应

选择相似反应的相似限制：

Broad：仅反应中心相似

Medium：反应中心及附属原子和键

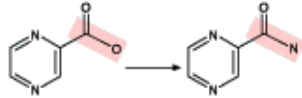
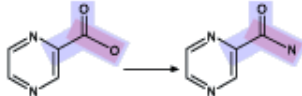
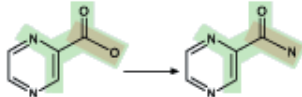
Narrow：反应中心及扩展的原子和键

Get Similar Reactions ?

Retrieve similar reactions from:

- All reactions
- Current answer set

Include this level of similarity:

- Broad - Reaction centers only (2934)

- Medium - Reaction centers plus adjacent atoms and bonds (109)

- Narrow - Reaction centers plus extended atoms and bonds (95)


按照反应类型排序

Group by: Transformation ▾ Sort by: Frequency ▾ ↓

▾ 0 of 560 Reactions Selected

1. Reduction of Nitro Compounds to Amines
538 Reactions

$$\text{R-NO}_2 \longrightarrow \text{R-NH}_2$$

2. Reduction of Nitro to Azo Compounds
11 Reactions

$$\text{Ar-NO}_2 \longrightarrow \text{Ar-N=N-Ar}$$

3. Reduction of Nitro to Azoxy Compounds
11 Reactions

$$\text{Ar-NO}_2 \longrightarrow \text{Ar-N}^+\text{=N-Ar} \text{O}^-$$

更精确的查找需要的反应

反应检索结果的筛选

获得特定物质做还原剂的反应

REACTIONS ? Get References Tools Send to SciPlann

Analyze Refine

Analyze by: ?
Reagent

H ₂	148
NaBH ₄	51
N ₂ H ₄ -H ₂ O	43
KOH	17
CO	16
HCO ₂ H	16
NH ₄ ⁺ •HCO ₂ ⁻	16
H ₂ O	14
N ₂ H ₄	14
NaOH	14

Show More

Group by: No Grouping Sort by: Relevance ↓

0 of 512 Reactions Selected

1. View Reaction Detail Link Similar Reactions

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

Overview

Steps/Stages

1.1 R:NaBH₄, C:1832616-28-0, C:Ru, S:H₂O, S:THF, 45 min, 25°C

Notes

solid-supported catalyst, ruthenium supported on porous organic polymer used, reusable catalyst, sealed tube used, scalable, Reactants: 1, Reagents: 1, Catalysts: 2, Solvents: 2, Steps: 1, Stages: 1, Most stages in any one step: 1

References

Fabrication of Ruthenium Nanoparticles in Porous Organic Polymers: Towards Advanced Heterogeneous Catalytic Nanoreactors

SciFinder囊括最大的反应实验过程合集

Single Step Hover over any structure for more options.



Overview

Steps/Stages

1.1 R:H₂, R:Cs₂CO₃, C:1610424-70-8, C:1034343-98-0 (oxide), S:PhMe, 2 h, 100°C, 1 atm

Notes

solid-supported catalyst, palladium catalyst supported on graphene oxide prepared and used, reusable catalyst, Reactants: 1, Reagents: 2, Catalysts: 2, Solvents: 1, Steps: 1, Stages: 1, Most stages in any one step: 1

References

Catalyst Enhancement and Recyclability by Immobilization of Metal Complexes onto Graphene Surface by Noncovalent Interactions

[Quick View](#) [Other Sources](#)

By Sabater, Sara et al

From ACS Catalysis, 4(6), 2038-2047; 2014

Experimental Procedure



General/Typical Procedure: **General Procedure for Nitroarene Reductions.** Molecular hydrogen was added with a balloon filled with 1 atm of H₂ to a mixture of nitroarene (0.3 mmol), Cs₂CO₃ (0.3 mmol), anisole as internal standard (0.3 mmol), and NHC-Pd-rGO (6 × 10⁻³ mmol, based on metal) in toluene (5 mL). The system was then evacuated and backfilled with H₂ in cycles for three times before putting the reaction vessel in an oil bath at 100°C for 2h. Yields were determined by GC analyses using anisole (0.3 mmol) as internal standard. Products were identified according to spectroscopic data of the commercially available compounds. Entry: 4; Yield 100%.

不用阅读全文，直接获得包含实验过程的反应记录

亚结构反应检索

The screenshot displays the SCIFINDER Structure Editor interface. The main workspace shows a chemical reaction scheme where a reactant (a benzimidazole-like structure with an R1 group and a hydrogen atom) is converted into a product (the same structure with an Ak group instead of the hydrogen atom). A purple arrow points from the Ak variable in the product to the Variables dialog box.

Structure Editor

Drag the reaction arrow to specify reaction direction.

Drawing Editor:

- Structure
- Reaction
- Markush

Variables

- X Any halogen
- M Any metal
- A Any atom except H
- Q Any atom except C or H
- Ak Any carbon chain
- Cy Any cycle
- Cb Any carbocycle
- Hy Any heterocycle

Get reactions where the structure(s) are:

- Variable only at the specified positions
- Substructures of more complex structures

Formulas: C H O S N P Cl Br F I Si

Formula is not available

通过后处理工具筛选反应--Analyze

通过催化剂筛选反应

Analyze Refine

Analyze by: ?
Catalyst

CuI	28
312696-09-6	17
AgNO ₃	17
(MeOCH ₂ CH ₂) ₂ O	16
NaI	15
1905414-33-6	14
CoBr ₂	11
Me ₃ SiCH ₂ MgCl	10
Ph ₂ P(CH ₂) ₃ PPh ₂	10
658062-48-7	9

Group by: No Grouping Sort by: Accession Number

No Grouping
Document
Transformation

1. View Reaction Detail Link Similar Reactions

Single Step Hover over any structure for more options.

~57
~52
83%

Overview

Steps/Stages

- 1.1 R:LiO-Bu-*t* C:1905414-33-6, S:Dioxane, 16 h, 100°C
- 1.2 S:H₂O, rt
- 1.3 R:HCl, S:H₂O, neutralized

Notes

catalyst prepared and used, screw cap tube used, Reactants: 2, Reagents: 2, Catalysts: 1, Solvents: one step: 3

References

ACS / Proprietary and Confidential / Do Not Distribute

提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

SciPlanner使用简介

3. View Reaction Detail [Link](#) **勾选想要的反应**

3 Steps *Hover over any structure for more options.*

点击Send to SciPlanner

Overview

Steps/Stages

- 1.1 R: NH₃, R: t-BuOK, R: t-BuOOH, S: THF
- 2.1 R: NaH, S: THF
- 3.1 R: POCl₃, reflux

Notes

Reactants: 2, Reagents: 5, Solvents: 1, Steps: 3, Stages: 3, Most stages in any one step: 1

References

Syntheses of 4- and 6-substituted thiazolo[4,5-c]pyridines

进入SciPlanner 新建文件

SciPlanner SciPlanner_11_19_2015_112612

将刚推送过来的反应拖至编辑面板

Workspace Edit View GoTo

- New
- Open
- Save
- Duplicate
- Import
- Export
- Print
- Close

Your Workspace is empty.

Drag items from the reference, substance, and reaction libraries (on the right) to this area.

SciPlanner使用简介

SciPlanner 11_19_2015_112612

Workspace Edit View GoTo

CAS Registry Number: 13091-23-1

- View Substance Detail
- Explore by Structure
- Synthesize this...
- Get Reactions where Substance is a
- Get Commercial Sources
- Get Regulatory Information
- Get References
- Export as Image
- Export as molfile

1 2 3

打开中间产物的标准菜单
选择Synthesize this

Get References Tools

Send selected records to SciPlanner. Send to SciPlanner

Group by: No Grouping Sort by: Accession Number

1 of 34 Reactions Selected

1. View Reaction Detail

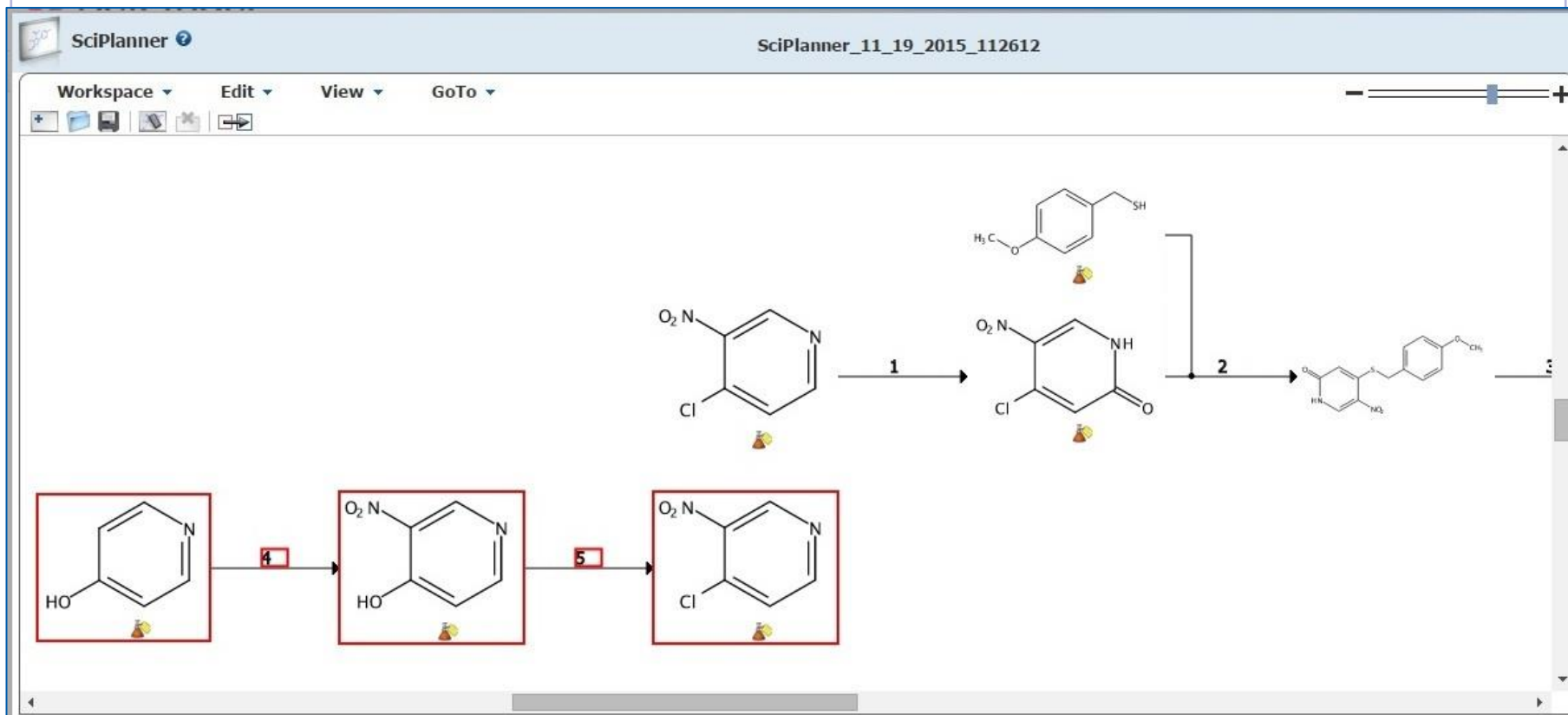
2 Steps Hover over any structure for more options.

在检索到的反应中选择感兴趣的反应

继续推送到SciPlanner

~161 ~192

SciPlanner使用简介

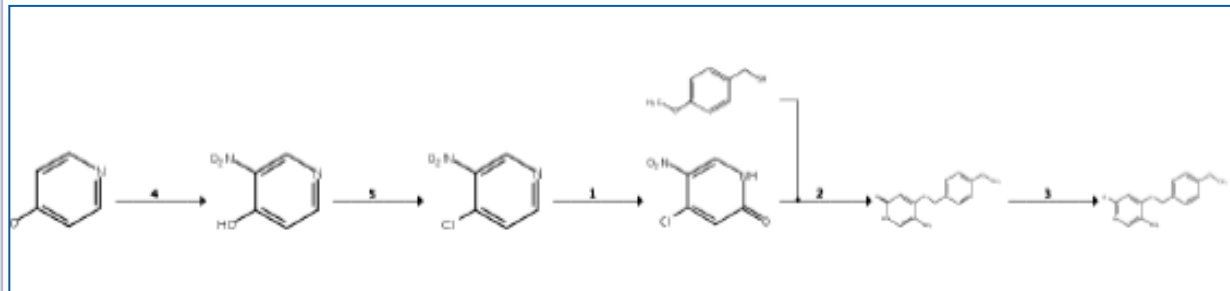


步骤同前，将推送过来的反应拖到编辑面板中，可以看到两条反应中存在同样的结构

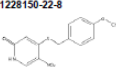
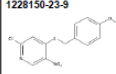
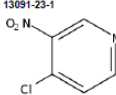
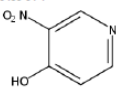
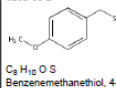
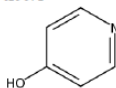
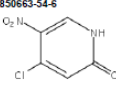
SciPlanner使用简介

The screenshot displays the SciPlanner software interface. At the top, the title bar reads "SciPlanner" and "SciPlanner_11_19_2015_112612". Below the title bar is a menu bar with "Workspace", "Edit", "View", and "GoTo". A "Workspace" dropdown menu is open on the left, listing options: "New", "Open", "Save", "Duplicate", "Import", "Export", "Print", and "Close". The "Export" option is highlighted in blue. In the center, a chemical reaction scheme is shown with three steps: 4, 5, and 1. Step 4 shows a starting material reacting to form a 5-nitro-2-hydroxypyridine intermediate. Step 5 shows the intermediate reacting to form a 5-nitro-2-chloropyridine intermediate. Step 1 shows the final product, a 5-nitro-2-chloropyridine derivative. A pink callout box points to the "Export" menu item with the text: "点击 Workspace, 选择 Export 导出结果". Another pink callout box points to the reaction scheme with the text: "用鼠标将两个同样的结构拖至重叠, 两条反应合并". A third pink callout box points to the "Export" dialog box with the text: "选择适当的输出格式, 输出结果". The "Export" dialog box is open on the right, showing options for "Offline Review" (Portable Document Format (*.pdf), Citations (*.ris), Image (*.png)) and "Saving Locally" (SciPlanner eXchange (*.pkx)). The "Details" section includes "File Name:" (SciPlanner_11_19_2015_112612) and "Title". The "Include:" section has checkboxes for "SciPlanner Image", "Reaction Details", "Substance Details", and "Reference Details". "Export" and "Cancel" buttons are at the bottom right of the dialog.

SciPlanner导出结果



Reaction	Stages	Notes	Yield
5	<p>1.1 R:POCl₃, S:PhMe, 0°C → rt; 16 h, rt → 110°C</p> <p>1.2 R:K₂CO₃, S:H₂O, cooled, pH 10</p>	<p>Reactants: 1, Reagents: 2, Solvents: 2, Steps: 1, Stages: 2</p> <p>Transformation:</p> <p>1. Formation of Alkyl Halides from Alcohols</p>	90%
<p>References</p> <p>High color rendering index and color stable hybrid white efficient OLEDs with a double emitting layer structure using a single phosphorescence dopant of heteroleptic platinum complexes</p> <p>By Poloek, Anurach et al</p> <p>From Journal of Materials Chemistry C: Materials for Optical and Electronic Devices, 2(48), 10343-10356; 2014</p>			

Substance Information		
<p>1228150-22-8</p>  <p>C₁₃ H₁₂ N₂ O₄ S 2-(1<i>H</i>)-Pyridinone, 4-[[[4-(methoxyphenyl)methyl]thio]-5-nitro-</p> <p>Related Info: ~ 2 References Reactions</p>	<p>1228150-23-9</p>  <p>C₁₃ H₁₁ Cl N₂ O₃ S Pyridine, 2-chloro-4-[[[4-(methoxyphenyl)methyl]thio]-5-nitro-</p> <p>Related Info: ~ 2 References Reactions</p>	<p>13091-23-1</p>  <p>C₅ H₃ Cl N₂ O₂ Pyridine, 4-chloro-3-nitro-</p> <p>Related Info: ~ 391 References Reactions ~ 190 Commercial Sources Regulatory Information</p>
<p>5435-54-1</p>  <p>C₅ H₄ N₂ O₂ 4-Pyridinol, 3-nitro-</p> <p>Related Info: ~ 113 References Reactions ~ 197 Commercial Sources Regulatory Information</p>	<p>6258-60-2</p>  <p>C₈ H₁₀ O S Benzenemethanethiol, 4-methoxy-</p> <p>Related Info: ~ 749 References Reactions ~ 71 Commercial Sources Regulatory Information</p>	<p>626-64-2</p>  <p>C₅ H₄ N O 4-Pyridinol</p> <p>Related Info: ~ 1351 References Reactions ~ 160 Commercial Sources Regulatory Information</p>
<p>850663-54-6</p>  <p>C₆ H₃ Cl N₂ O₃ 2-(1<i>H</i>)-Pyridinone, 4-chloro-5-nitro-</p> <p>Related Info: ~ 22 References Reactions ~ 136 Commercial Sources</p>		

提纲

- 美国化学文摘社简介
- SciFinder简介及检索方式
 - 文献检索
 - 物质检索
 - Markush检索
 - 反应检索
 - SciPlanner
- SciFinder常见问题及解决

如何获取SciFinder账号



华南理工大学
South China University of Technology

圖書館

CA网络版(SciFinder Scholar)

发布时间: 2016-10-13 来源: 图书馆 浏览次数: 37092

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数据库介绍:

SciFinder Scholar是美国化学学会 (ACS) 旗下的化学文摘服务社CAS (Chemical Abstract Service) 所出版的化学资料电子数据库学术版。它是全世界最大、最全面的化学和科学信息数据库。SciFinder 包括的内容几乎涉及了化学家、材料学家和生命科学家感兴趣的所有领域如有机、无机、生物化学等。SciFinder Scholar已收文献数量占全世界化工化学总文献量的98%, 不仅能帮助您找到您想找到的文献更可以帮助您了解您需要但是还不知晓的信息。使您研究的过程中更有创意, 更有生产力。除了主题检索外, 它还有物质分子式、反应式和结构式等多种检索功能, 可以使用户便捷的获取文摘、化学物质、化学反应、谱图等信息。在得到初步检索结果的基础上还可以进一步利用超过20个选项的后处理功能以最快的速度找到最精确的答案。它已经超越了检索工具的范畴, 而成为研发人员不可或缺的研发工具。

特别提示:

- 并发用户数为9, 请检索结束后尽快退出。如果进入系统后30分钟没有操作, 系统将自动断开您的计算机与服务器的连接。
- 校内IP控制的认证方式, 设置非校园范围的代理服务器IP或带代理功能的浏览器不能登录访问。各种文献的收录年代范围不统一。
- ESI-SciFinder使用培训文档下载: [SciFinder_Training_SCUT_20160920.pdf](#)

SciFinder 注册须知:

1. 在学校图书馆站到SciFinder注册链接, 使用学校的域名邮箱注册
2. 注册后系统将自动发送一个链接到您所填写的email邮箱中, 激活此链接即可完成注册。

如遇到IP未授权的情况:

1. 提供学校名、所在院系、姓名和学生证, 教职工卡照片及邮箱信息, 发送邮件至客服邮箱 China@acs-i.org
2. 24小时内查收收件箱, 点击注册链接进行注册。



如何获取SciFinder账号

The screenshot displays the SciFinder registration interface, divided into three main sections:

- CONTACT INFORMATION--**: Includes input fields for First Name, Last Name, Email, Confirm Email, Phone Number, and Fax Number. It also features dropdown menus for Area of Research and Job Title.
- USERNAME AND PASSWORD--**: Includes input fields for Username (with a 'Tips' link), Password, and Re-enter Password.
- SECURITY INFORMATION--**: Includes a dropdown menu for Security Question and an input field for Answer (with a 'Why?' link).

At the bottom of the form, there are two buttons: 'Register>>' and 'Clear All'.

请注意：

1. 必须输入真实姓名和**学校**邮箱。
2. 用户名必须是唯一的，且包含 5-15 个字符。它可以只包含字母或字母组合、数字和/或以下特殊字符：

- - (破折号)
- _ (下划线)
- . (句点)
- @ (表示“at”的符号)

3. 密码必须包含 7-15 个字符，并且至少**包含三种以下字符**：

- 字母
- 混合的大小写字母
- 数字
- 非字母数字的字符 (例如 @、#、%、&、*)

例：abc@123

4. 从下拉列表中选择一个密码提示问题并给出答案。
单击 Register (注册)。

如何获取SciFinder账号

From: CAS

Dear user,

To complete your SciFinder registration, you must click the link provided below. By clicking the link, you agree to all of the following terms and conditions:

- I will not share my username and password with any other person.
- I will search only for myself and not for others or other organizations.
- I will not use any automated program or script for extracting or downloading CAS data, or any other systematic retrieval of data.
- I may retain a maximum of 5,000 Records at any given time for personal use or to share within a Project team for the duration of the Project.
- My organization's SciFinder License and the CAS Information Use Policies (<http://www.cas.org/legal/infopolicy.html>) apply to my use of SciFinder.
- I will contact my SciFinder Key Contact if I have questions.

If you do not accept these terms and conditions, do not click the link and delete this e-mail message.

<https://scifinder.cas.org/registration/completeRegistration.html?respKey=B8CB6727-86F3-F014-11E6-D312D80AC094>

This link is valid for only one use and will expire within 48 hours.

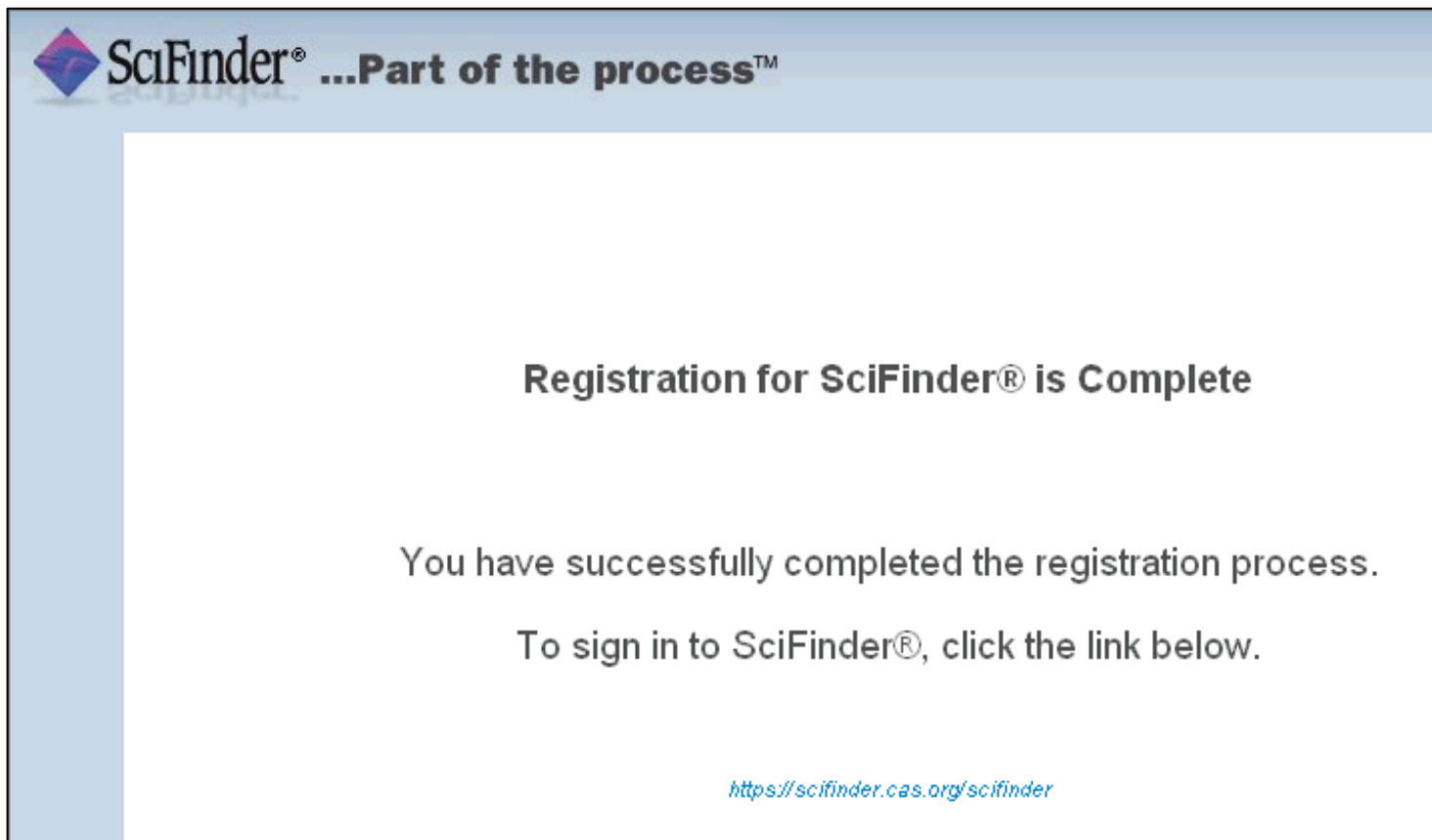
If you need assistance at any time, consult the key contact at your organization.

打开并阅读 CAS 的电子邮件（必须在48小时内点击，否则需要重新注册）

注意垃圾邮件、未知邮件、订阅邮件等来自@cas.org的邮件



如何获取SciFinder账号



账号注册成功，登录scifinder.cas.org开始使用SciFinder

SciFinder浏览器选择建议

- Windows 7以上用户建议升级IE到10以上
- Chrome和FireFox浏览器在所有系统上的表现都优于IE浏览器
- 不建议使用360浏览器检索SciFinder，会被自动拦截相关功能或插件

SciFinder使用注意事项

- 一人注册一个帐号
- 请提供真实姓名信息
- 严禁过量下载（每次导出结果不要超过100条记录）
- 严禁账号分享(严禁统一账号同时登陆2台电脑)
- 严禁将账号用于非学术研究（严禁在医药企业，中科院等科研机构登陆VPN）

更多培训资料请访问

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