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## SciFinder Web使用介绍

刘衍兰

SciFinder培训专员

2014.3

# 提纲

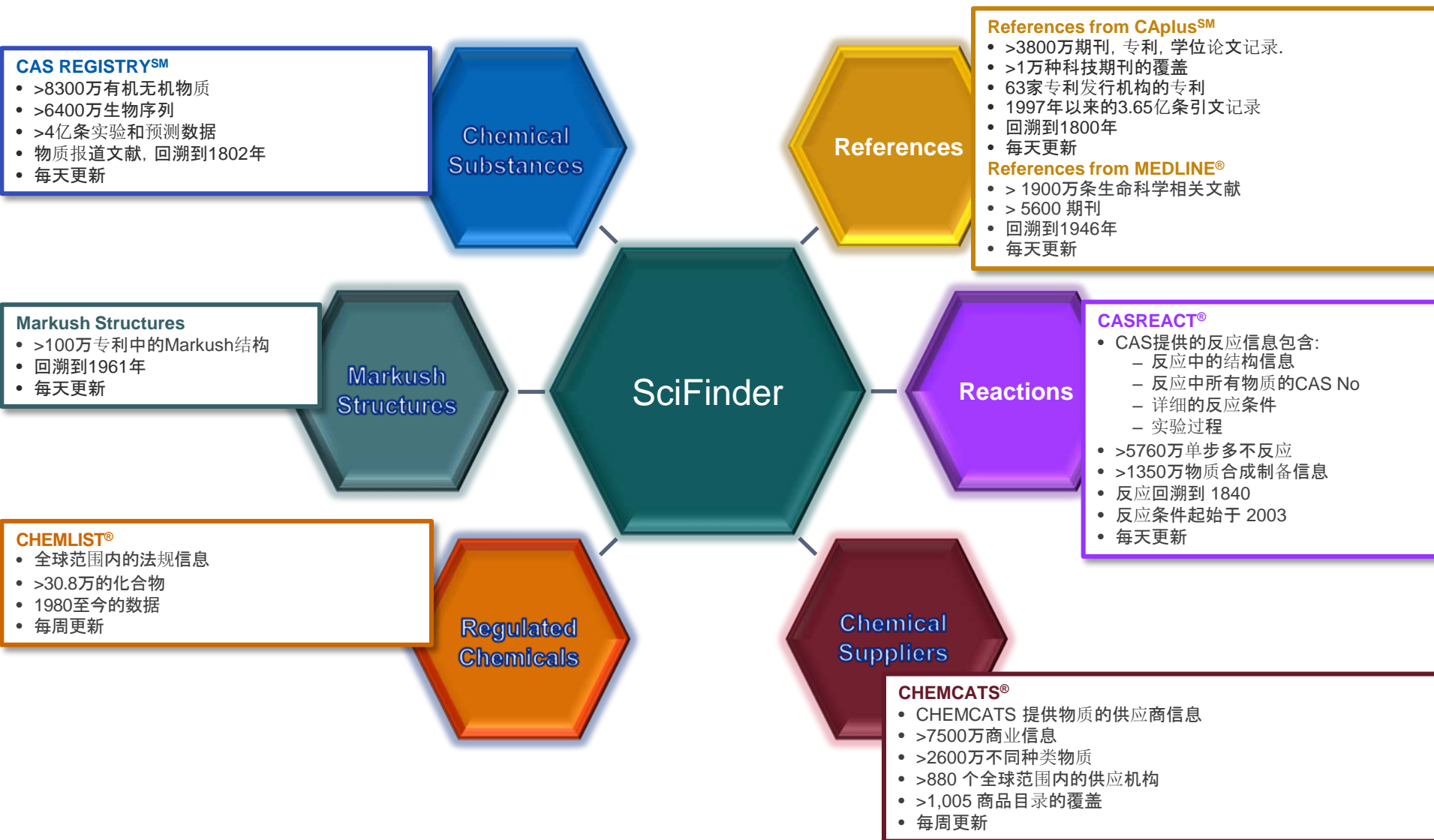
- 介绍
  - SciFinder Web中的内容
- **SciFinder Web中的检索和后处理**
  - SciFinder Web中的文献记录及主题检索
  - SciFinder Web中的物质结果及物质检索方法
  - SciFinder Web中的反应记录及反应检索
- **SciFinder Web的注册和常见问题**

# 美国化学文摘社—Chemical Abstract Service

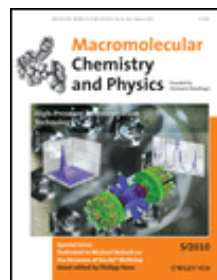
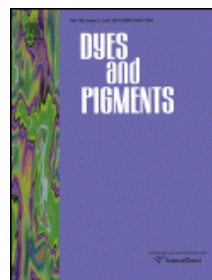
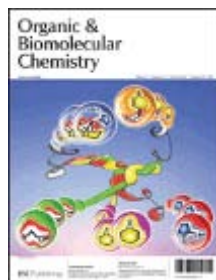
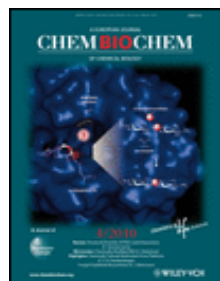
- 创建于1907年
- ACS的分支机构
- 密切关注，索引和提炼着全球化学相关的文献和专利
- 最早创立了《化学文摘》
- 总部坐落于俄亥俄州的哥伦布市



# SciFinder的覆盖内容

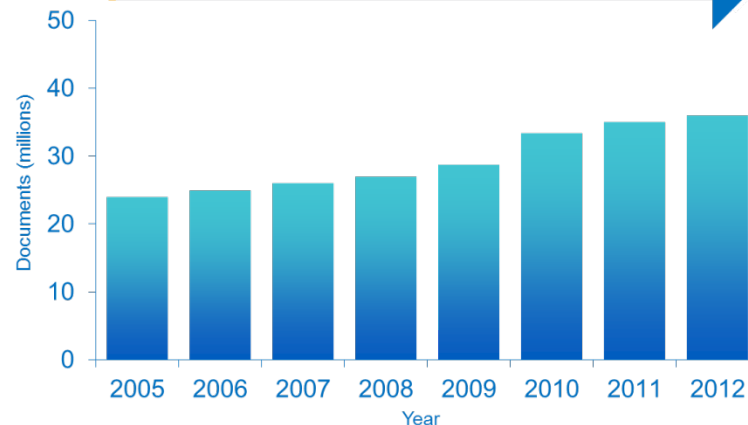


# CAplus<sup>SM</sup> 涵盖上万种期刊及63个专利发行机构专利



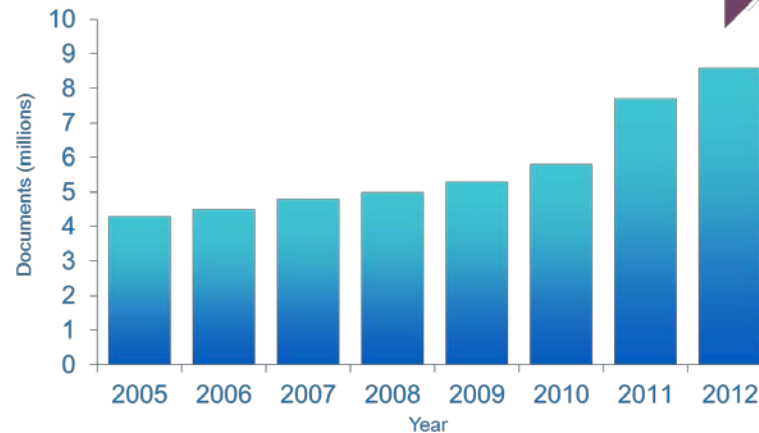
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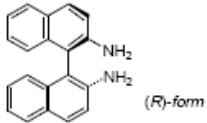
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# CAS REGISTRY<sup>SM</sup> 是化学物质信息的“黄金标准”

Entry name → **2,2'-Diamino-1,1'-binaphthyl**

Structural formula and stereochemical description →  (R)-form

Alternative names → [1,1'-Binaphthalene]-2,2'-diamine, 9CI, 2,2'-Diamino-1,1'-dinaphthyl, 1,1'-Bi[2-naphthylamine]

CAS Registry Number → **93621-61-1**

Molecular Formula → **C<sub>20</sub>H<sub>16</sub>N<sub>2</sub>** Molecular weight → **M 284.360** RTECS® Number → **DU3090000**

Use → Intermediate for chiral auxiliaries. **Exp. tumorigen by skin contact. Dec. with emission of toxic fumes. DU3090000**

Hazard alert symbol and description of hazards → **(R)-form: 93621-61-1 [18741-85-0] Mp 242.5-243°, [α]<sub>D</sub><sup>25</sup> + 155.5° (c, 1 in Py), [α]<sub>D</sub><sup>25</sup> + 46.8° (2M HCl). Supplier: Aldrich 38242-6; Fluka 32787. N,N'-Di-Me: 93713-30-1 Cryst. (EtOH). Mp 143-144° [α]<sub>D</sub><sup>25</sup> + 182° (c, 1.09 in C<sub>6</sub>H<sub>6</sub>). N,N,N',N'-Tetra-Me: 135029-77-5 Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 216-218°. (S)-form: 93621-61-1 [18531-95-8] Cryst. Mp 243° (235-239°), [α]<sub>D</sub><sup>25</sup> - 149° (Py), [α]<sub>D</sub><sup>25</sup> - 46° (2M HCl). Supplier: Aldrich 38243-4; Fluka 32788. N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 226-227°. [α]<sub>D</sub><sup>25</sup> + 10.8° (c, 1 in THF). (Z)-form: 93621-61-1 [79082-81-8] Silvery plates (EtOH), Mp 193.2-194.5° (191°). Picrate: 93621-61-1 [79082-81-8] Brownish-yellow plates (C<sub>6</sub>H<sub>6</sub>), Mp 185° (dec.). N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cubes (EtOH), Mp 235-236°. N,N'-Di-benzoyl: 93621-61-1 [135029-77-5] Prisms (PhNO<sub>2</sub>), Mp 235°.**

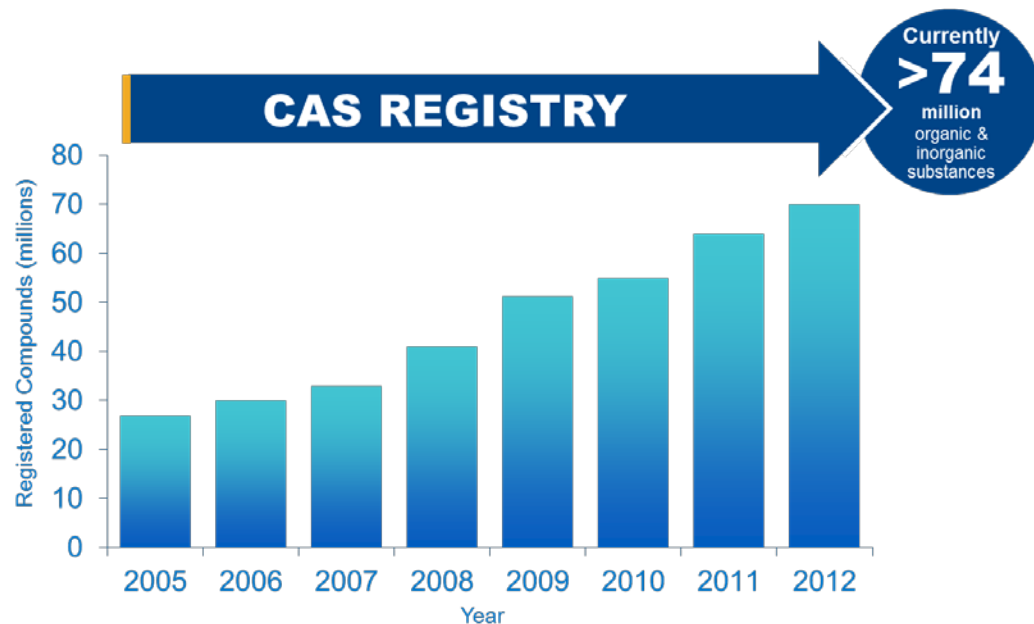
Supplier Information → **(R)-form: 93621-61-1 [18741-85-0] Mp 242.5-243°, [α]<sub>D</sub><sup>25</sup> + 155.5° (c, 1 in Py), [α]<sub>D</sub><sup>25</sup> + 46.8° (2M HCl). Supplier: Aldrich 38242-6; Fluka 32787. N,N'-Di-Me: 93713-30-1 Cryst. (EtOH). Mp 143-144° [α]<sub>D</sub><sup>25</sup> + 182° (c, 1.09 in C<sub>6</sub>H<sub>6</sub>). N,N,N',N'-Tetra-Me: 135029-77-5 Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 216-218°. (S)-form: 93621-61-1 [18531-95-8] Cryst. Mp 243° (235-239°), [α]<sub>D</sub><sup>25</sup> - 149° (Py), [α]<sub>D</sub><sup>25</sup> - 46° (2M HCl). Supplier: Aldrich 38243-4; Fluka 32788. N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 226-227°. [α]<sub>D</sub><sup>25</sup> + 10.8° (c, 1 in THF). (Z)-form: 93621-61-1 [79082-81-8] Silvery plates (EtOH), Mp 193.2-194.5° (191°). Picrate: 93621-61-1 [79082-81-8] Brownish-yellow plates (C<sub>6</sub>H<sub>6</sub>), Mp 185° (dec.). N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cubes (EtOH), Mp 235-236°. N,N'-Di-benzoyl: 93621-61-1 [135029-77-5] Prisms (PhNO<sub>2</sub>), Mp 235°.**

Stereoisomer heading → **(R)-form: 93621-61-1 [18741-85-0] Mp 242.5-243°, [α]<sub>D</sub><sup>25</sup> + 155.5° (c, 1 in Py), [α]<sub>D</sub><sup>25</sup> + 46.8° (2M HCl). Supplier: Aldrich 38242-6; Fluka 32787. N,N'-Di-Me: 93713-30-1 Cryst. (EtOH). Mp 143-144° [α]<sub>D</sub><sup>25</sup> + 182° (c, 1.09 in C<sub>6</sub>H<sub>6</sub>). N,N,N',N'-Tetra-Me: 135029-77-5 Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 216-218°. (S)-form: 93621-61-1 [18531-95-8] Cryst. Mp 243° (235-239°), [α]<sub>D</sub><sup>25</sup> - 149° (Py), [α]<sub>D</sub><sup>25</sup> - 46° (2M HCl). Supplier: Aldrich 38243-4; Fluka 32788. N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 226-227°. [α]<sub>D</sub><sup>25</sup> + 10.8° (c, 1 in THF). (Z)-form: 93621-61-1 [79082-81-8] Silvery plates (EtOH), Mp 193.2-194.5° (191°). Picrate: 93621-61-1 [79082-81-8] Brownish-yellow plates (C<sub>6</sub>H<sub>6</sub>), Mp 185° (dec.). N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cubes (EtOH), Mp 235-236°. N,N'-Di-benzoyl: 93621-61-1 [135029-77-5] Prisms (PhNO<sub>2</sub>), Mp 235°.**

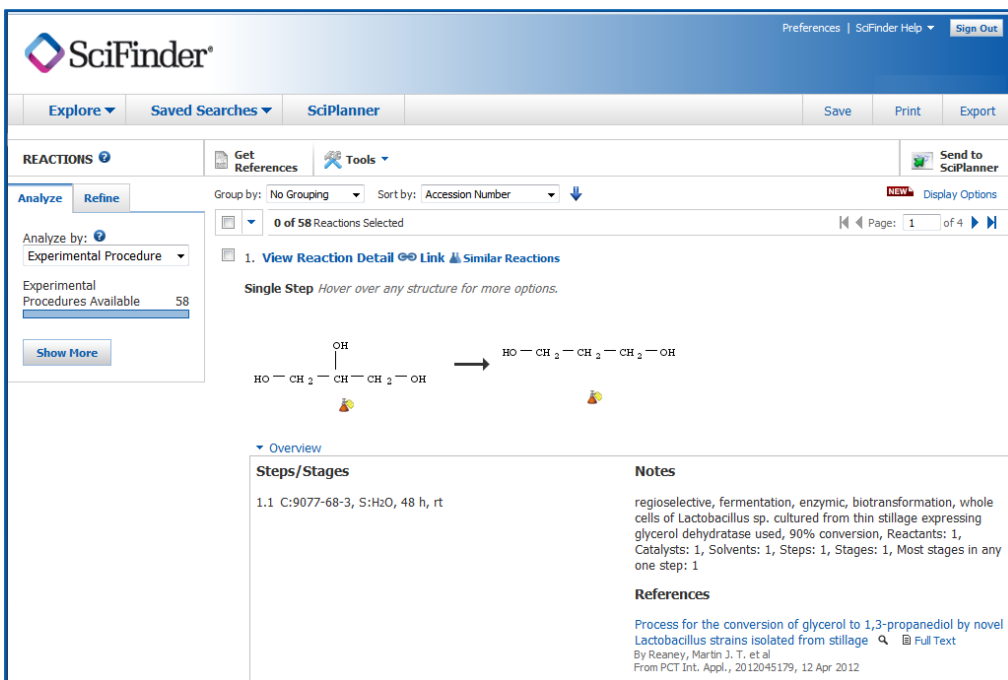
Derivative Subheading → **N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cryst. (EtOH/C<sub>6</sub>H<sub>6</sub>). Mp 226-227°. [α]<sub>D</sub><sup>25</sup> + 10.8° (c, 1 in THF). (Z)-form: 93621-61-1 [79082-81-8] Silvery plates (EtOH), Mp 193.2-194.5° (191°). Picrate: 93621-61-1 [79082-81-8] Brownish-yellow plates (C<sub>6</sub>H<sub>6</sub>), Mp 185° (dec.). N,N'-Di-Ac: 93621-61-1 [135029-77-5] Cubes (EtOH), Mp 235-236°. N,N'-Di-benzoyl: 93621-61-1 [135029-77-5] Prisms (PhNO<sub>2</sub>), Mp 235°.**

Additional CAS Registry Numbers → **[93621-61-1] [97644-73-0]**

Bibliographic references → **Kuhn, R et al., *Annalen*, 1929, 470, 183 (*synth, resoln*)  
Cumming, WM et al., *J.C.S.*, 1932, 528 (*synth*)  
Clemo, GR et al., *J.C.S.*, 1939, 1114 (*synth*)  
Mislow, K et al., *J.A.C.S.*, 1962, 84, 1455 (*rev, ord*)  
Akimoto, H et al., *Tetrahedron*, 1971, 27, 5999 (*resoln, abs config*)  
Miyano, S et al., *Bull. Chem. Soc. Jpn.*, 1984, 57, 2171 (*pmr, ir, deriv*)  
Brown, KJ et al., *J.O.C.*, 1985, 50, 4345 (*synth, resoln*)  
Benson, SC et al., *J.O.C.*, 1988, 53, 5335 (*synth, N-tetramethyl*)  
Fieser and Fieser's *Reagents for Organic Synthesis*, Wiley, 1989, 14, 32 (*use*)  
Franzini, L et al., *Acta Cryst. C*, 1991, 47, 1259 (*cryst struct, N-tetra-Me*)  
Smrcina, M et al., *J.O.C.*, 1992, 57, 1917 (*synth, resoln, bibl*)  
Lewis, RJ et al., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1991, B6B750**



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1. View Reaction Detail Link Similar Reactions

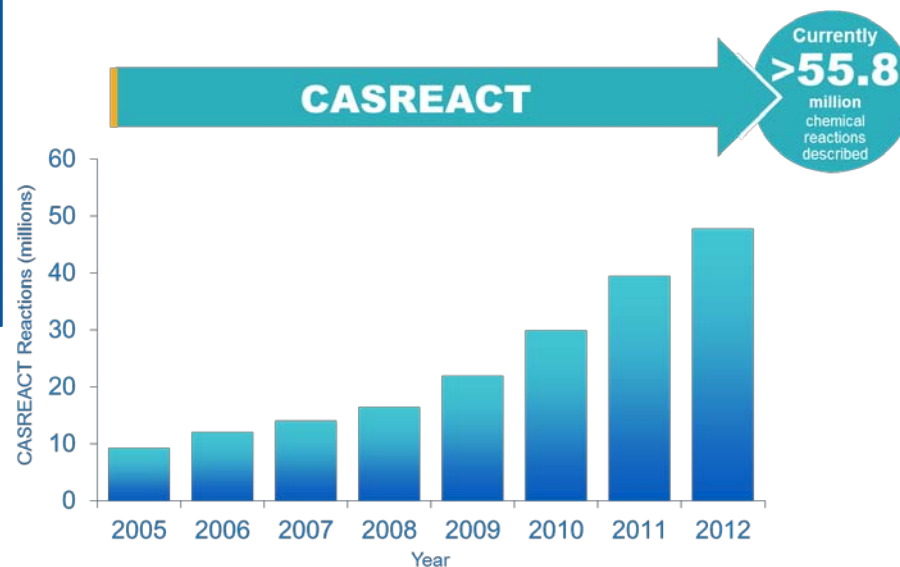
Single Step Hover over any structure for more options.

$$\text{HO}-\text{CH}_2-\overset{\text{OH}}{\text{CH}}-\text{CH}_2-\text{OH} \longrightarrow \text{HO}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{OH}$$

Overview

Steps/Stages	Notes
1.1 C:9077-68-3, S:H <sub>2</sub> O, 48 h, rt	regioselective, fermentation, enzymic, biotransformation, whole cells of <i>Lactobacillus</i> sp. cultured from thin stillage expressing glycerol dehydratase used, 90% conversion, Reactants: 1, Catalysts: 1, Solvents: 1, Steps: 1, Stages: 1, Most stages in any one step: 1
	References Process for the conversion of glycerol to 1,3-propanediol by novel <i>Lactobacillus</i> strains isolated from stillage By Reaney, Martin J. T. et al From PCT Int. Appl., 2012045179, 12 Apr 2012

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# 提纲

- 介绍
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  - SciFinder Web中的文献记录及主题检索
  - SciFinder Web中的物质结果及物质检索方法
  - SciFinder Web中的反应记录及反应检索
- **SciFinder Web的注册和常见问题**



# SciFinder中的文献记录

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<a href="#">Return</a>				Previous Next
<h2>1. Selective oxidation of light alkanes: interaction between the catalyst and the gas phase on different classes of catalytic materials</h2> <p>By: Cavani, F.; Trifiro, F.</p> <p>A review, with 202 refs., on the selective oxidn. of light (C<sub>2-6</sub>) alkanes to bulk and industrial chems., with emphasis on catalyst-gas phase interactions. Attention was given mainly to: (1) the role of the redox properties of transition metal oxide-based systems, and (2) the contribution of radical-type, homogeneous and heterogeneously-initiated homogeneous reactions over nonreducible metal oxide and noble metal catalysts. Other topics included: (1) key factors in selective oxidn. of light alkanes, (2) bulk and surface properties of catalysts, (3) oxidative dehydrogenation, (4) control of oxygen supply to the catalyst, (5) non-redox-type metal oxides (e.g., alk. earth oxides, rare earth oxides, boron oxides, tin oxides, and silica). Some research examples are: (1) oxidn. of propane to acrylic acid and isobutane to methacrylic acid over Keggin-type heteropolymolybdates, (2) oxidative dehydrogenation of alkanes to alkenes over vanadium oxide-based catalysts, and (3) oxidn. of butane and pentane over vanadyl pyrophosphate.</p>				<b>QUICK LINKS</b> 0 Tags, 0 Comments
<b>Indexing</b> Fossil Fuels, Derivatives, and Related Products (Section51-0) Section cross-reference(s): 35, 45				<b>SOURCE</b> <i>Catalysis Today</i> Volume51 Issue3-4 Pages561-580 Journal; General Review 1999 CODEN:CATTEA ISSN:0920-5861 DOI:10.1016/S0920-5861(99)00041-3
<b>Concepts</b> Redox reaction catalysts catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems. Alkaline earth oxides      Rare earth oxides catalysts contg.; catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems. Catalyst use; Properties; Uses				
<b>Substances</b> 12026-66-3 58834-75-6 catalyst-gas phase interactions in selective oxidn. of light alkanes to bulk and industrial chems. Catalyst use; Uses 1303-86-2 Boron oxide, uses 1332-29-2 Tin oxide 7631-86-9 Silica, uses				
				<b>COMPANY/ORGANIZATION</b> Dipartimento di Chimica Industriale e dei Materiali Bologna, Italy 40136
				<b>ACCESSION NUMBER</b> 1999:340014 CAN131:159478 CAPLUS
				<b>PUBLISHER</b> Elsevier Science B.V.

### Citations

Bielanski, A; Oxygen in Catalysis 1991  
 Haber, J; ACS Symp Series 1996, 638, 20   
 Oyama, S; ACS Symp Series 1996, 638, 2   
 Lee, J; Catal Rev-Sci Eng 1988, 30, 249   
 Kung, H; Adv Catal 1994, 40, 1   
 Vedrine, J; Catal Today 1997, 33, 3   
 Vedrine, J; Catal Today 1996, 32, 115   
 Busca, G; Catal Today 1996, 32, 133   
 Cavani, F; Catalysis 1994, 11, 246   
 Albonetti, S; Catal Rev-Sci Eng 1996, 38, 413   
 Sokolovskii, V; Catal Rev-Sci Eng 1990, 32, 1   
 Delmon, B; Catalysts in Petroleum Refining and Petrochemical Industries 1995 1996  
 Burch, R; J Mol Catal A 1995, 100, 13   
 Schmidt, L; Chem Eng Sci 1994, 49, 3981   
 Kung, H; ACS Symp Series 1993, 523, 387  
 Trifiro, F; Selective Partial Oxidation of Hydrocarbons and Related Oxidations 1994  
 Trifiro, F; Oxidative dehydrogenation and alternative dehydrogenation processes 1993  
 Cavani, F; Catal Today 1995, 24, 307

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4. 文献中重要的物质
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- 关注某科研人员的文献——作者名检索

# SciFinder Web中的主题检索

主题： **VEGFR inhibitor with anticancer**(VEGFR抑制剂在抗肿瘤方面的研究进展)



The screenshot shows the SciFinder web interface. At the top, there is a navigation bar with 'Explore', 'Saved Searches', and 'SciPlanner'. Below this, the search topic is displayed as 'Research Topic "VEGFR Inhibitor with anticanc..." > references (618)'. On the left side, there is a sidebar menu with 'REFERENCES' and 'SUBSTANCES' sections. The 'REFERENCES' section is active, showing options like 'Research Topic', 'Author Name', 'Company Name', etc. The main content area shows the search input field containing 'VEGFR inhibitor with anticancer', a 'Search' button, and an 'Advanced Search' link. Below the search input, there are examples of search results: 'The effect of antibiotic residues on dairy products' and 'Photocyanation of aromatic compounds'.

REFERENCES: RESEARCH TOPIC ?

VEGFR inhibitor with anticancer

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

Search

Advanced Search

使用介词 (of, with, in)  
 来连接关键词

# 主题检索的候选项

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Research Topic "VEGFR inhibitor with anticanc..."

**REFERENCES** ⓘ

Select All Deselect All

1 of 5 Research Topic Candidates Selected

	References
<input type="checkbox"/> 6 references were found containing <u>"VEGFR inhibitor with anticancer" as entered.</u>	6
<input checked="" type="checkbox"/> 618 references were found containing the two <u>concepts "VEGFR inhibitor" and "anticancer" closely associated with one another.</u>	618
<input type="checkbox"/> 2888 references were found where the two <u>concepts "VEGFR inhibitor" and "anticancer" were present anywhere in the reference.</u>	2888
<input type="checkbox"/> 5255 references were found containing the concept <u>"VEGFR inhibitor".</u>	5255
<input type="checkbox"/> 1001993 references were found containing the concept "anticancer".	1001993

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- ◆ “as entered” 表示完全匹配
- ◆ “concept”表示做了同意词的扩展
- ◆ “closely associated with one another”表示同时出现在一个句子中
- ◆ “present anywhere in the reference”表示同时出现在一段话中

# SciFinder 中的文献检索结果及后处理

文献分析、  
 限定工具 系统分类工具

Research Topic "VEGFR inhibitor with anticanc..." > **references (618)**

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Page: 1 of 31

1. **Evidence for G-quadruplex in the promoter of vegfr-2 and its targeting to inhibit tumor angiogenesis**

Quick View   Full Text

By Salvati, Erica; Zizza, Pasquale; Rizzo, Angela; Iachettini, Sara; Cingolani, Chiara; D'Angelo, Carmen; Porru, Manuela; Randazzo, Antonio; Pagano, Bruno; Novellino, Ettore; et al  
 From Nucleic Acids Research (2014), 42(5), 2945-2957. | Language: English, Database: CAPLUS

**Tumor** angiogenesis is mainly mediated by vascular endothelial growth factor (VEGF), a pro-angiogenic factor produced by **cancer** cells and active on the endothelium through the VEGF receptor 2 (**VEGFR-2**). Here we identify a G-rich sequence within the proximal promoter region of **vegfr-2**, able to form an antiparallel G-quadruplex (G4) structure. This G4 structure can be efficiently stabilized by small mol. with the consequent **inhibition** of **vegfr-2** expression. Functionally, the G4-mediated redn. of **VEGFR-2** protein causes a switching off of signaling components that, converging on actin cytoskele...

2. **Icrucumab, a fully human monoclonal antibody against the vascular endothelial growth factor receptor-1, in the treatment of patients with advanced solid malignancies: a Phase 1 study**

Quick View   Full Text

By Lo Russo, Patricia M.; Krishnamurthi, Smitha; Youssoufian, Hagop; Hall, Nancy; Fox, Floyd; Dontabhaktuni, Aruna; Grebennik, Dmitri; Remick, Scot  
 From Investigational New Drugs (2014), 32(2), 303-311. | Language: English, Database: CAPLUS

Background IMC-18F1 (icrucumab), a human monoclonal antibody against vascular endothelial growth factor receptor-1 (**VEGFR-1**), potently **inhibits** ligand-dependent phosphorylation of **VEGFR-1** and downstream signaling, making icrucumab an attractive candidate for **antitumor** activity. Objectives The primary objective was to det. the safety profile and max. tolerated dose of icrucumab in patients with advanced solid **tumors** that were previously unresponsive to std. therapy or for which no std. therapy was available. Methods In this open-label, dose-escalation, Phase 1 study, patients received icrucum...

Author Name	Count
Ciardello Fortunato	15
Troiani Teresa	11
Myers Jeffrey N	9
Fontanini Gabriella	8
Jiang Yuyang	8
Tan Chunyan	8
Tan Yuting	8
Tortora Giampaolo	8
Zhang Shixi	8

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# SciFinder提供的引文排序— Citing Reference

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Troiani Teresa	11
Myers Jeffrey N	9
Fontanini Gabriella	8
Jiang Yuyang	8
Tan Chunyan	8
Tan Yuting	8
Tortora Giampaolo	8
Zhang Shixi	8
Bhide Rajeev S	7

1. **Trastuzumab elicits malignant progression of tumors to increased local invasion and distant metastasis**

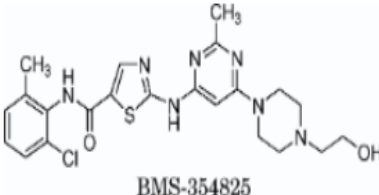
By Paez-Ribes, Marta; Allen, Elizabeth; Hudock, James; Takeda, Takaaki; Okuyama, Hiroaki; Vinals, Francesc; Inoue, Masahiro; Bergers, Gabriele; Hanahan, Douglas; Casanovas, Oriol  
 From Cancer Cell (2009), 15(3), 220-231. | Language: English, Database: CAPLUS

Multiple angiogenesis **inhibitors** have been therapeutically validated in preclin. **cancer** models, and several in clin. trials. Here we report that angiogenesis **inhibitors** targeting the VEGF pathway demonstrate **anti-tumor** effects in mouse models of pancreatic neuroendocrine **carcinoma** and glioblastoma but concomitantly elicit **tumor** adaptation and progression to stages of greater malignancy, with heightened invasiveness and in some cases increased lymphatic and distant metastasis. Increased invasiveness is also seen by genetic ablation of the Vegf-A gene in both models, substantiating the results...

2. **Discovery of N-(2-Chloro-6-methyl-phenyl)-2-(6-(4-(2-hydroxyethyl)-piperazin-1-yl)-2-methylpyrimidin-4-ylamino)thiazole-5-carboxamide (BMS-354825), a Dual Src/Abl Kinase Inhibitor with Potent Antitumor Activity in Preclinical Assays**

Quick View Full Text

By Lombardo, Louis J.; Lee, Francis Y.; Chen, Ping; Norris, Derek; Barrish, Joel C.; Behnia, Kamelia; Castaneda, Stephen; Cornelius, Lyndon A. M.; Das, Jagabandhu; Doweiko, Arthur M.; et al  
 From Journal of Medicinal Chemistry (2004), 47(27), 6658-6661. | Language: English, Database: CAPLUS



**BMS-354825**

A series of substituted 2-(aminopyridyl)- and 2-(aminopyrimidinyl)thiazole-5-carboxamides was identified as potent Src/Abl kinase **inhibitors** with excellent antiproliferative activity against hematol. and solid **tumor** cell lines. Compd. I was orally active in a K562 xenograft model of chronic myelogenous leukemia (CML), demonstrating complete **tumor** regressions and low toxicity at multiple dose levels. On the basis of its robust in vivo activity and favorable pharmacokinetic profile, I was selected for addnl. characterization for oncol. indications.

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14

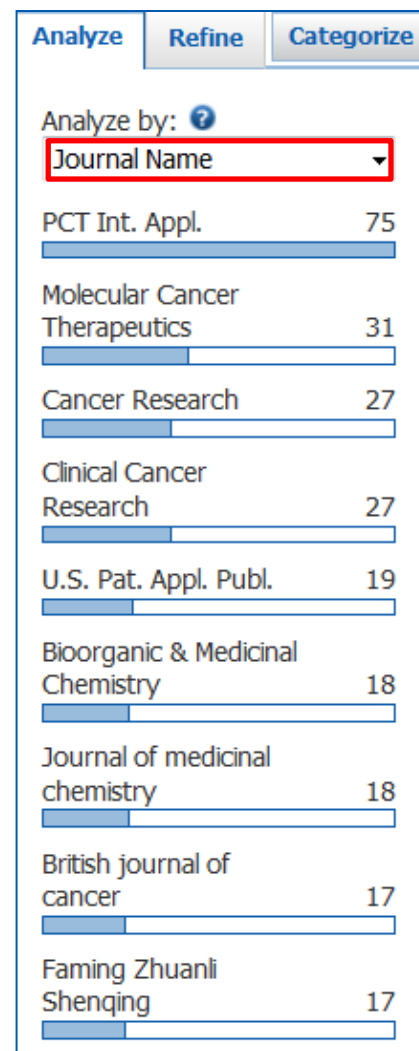
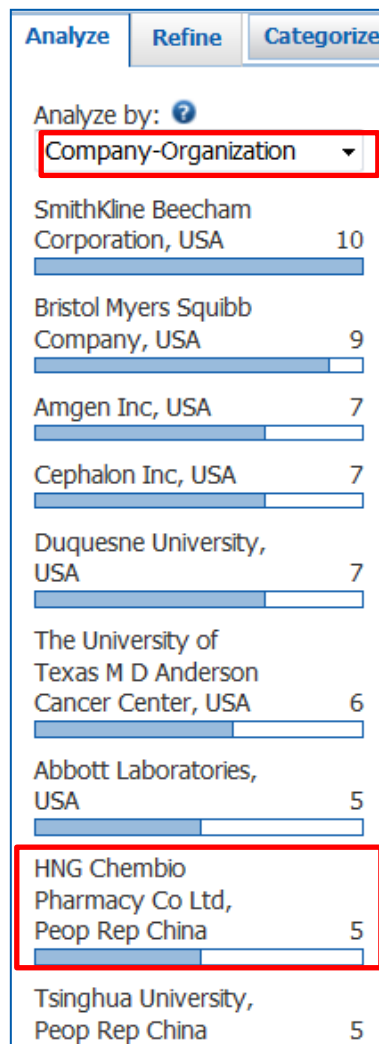
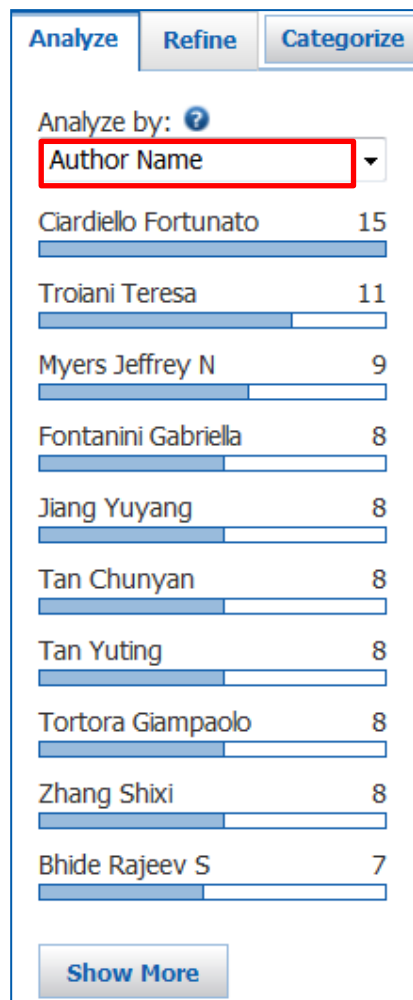


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Analyze Refine Categorize

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**Index Term**

Antitumor agents	502
Human	425
Vascular endothelial growth factor receptors	424
Neoplasm	205
Antiangiogenic agents	152
Angiogenesis	143
Signal transduction	126
Carcinoma	121
Cell proliferation	115
Epidermal growth factor receptors	112

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<input type="checkbox"/>	Human	425
<input type="checkbox"/>	Vascular endothelial growth factor receptors	424
<input type="checkbox"/>	Neoplasm	205
<input type="checkbox"/>	Antiangiogenic agents	152
<input type="checkbox"/>	Angiogenesis	143
<input checked="" type="checkbox"/>	Signal transduction	126
<input type="checkbox"/>	Carcinoma	121
<input checked="" type="checkbox"/>	Cell proliferation	115
<input type="checkbox"/>	Epidermal growth factor receptors	112

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



0 of 114 References Selected
Page: 1 of 6

1. **VEGF Signal System: The Application of Antiangiogenesis**

[Quick View](#) [Full Text](#)

By Liang, Xuewu; Xu, Fuming; Li, Xiaoguang; Ma, Chunhua; Zhang, Yingjie; Xu, Wenfang  
 From Current Medicinal Chemistry (2014), 21(7), 894-910. | Language: English, Database: CAPLUS



A review. Among the numerous endogenous promoters of angiogenesis, vascular endothelial growth factor (VEGF) plays a leading role in angiogenesis, which has huge impact on proliferation, survival, migration and permeability of **tumor** cells. VEGF signal system also becomes remarkable **anticancer** targets, including VEGF, vascular endothelial growth factor receptor (**VEGFR**), and VEGF downstream signal pathways. So far, there has been many clin. or approved **anticancer** drugs that directly or indirectly interfere with VEGF signal system applied in the treatment of various **tumors** and other diseases as...

  
  
 ~0
2. **Clinical Pharmacology of Axitinib**

[Quick View](#) [Full Text](#)

By Chen, Ying; Tortorici, Michael A.; Garrett, May; Hee, Brian; Klamers, Karen J.; Pithavala, Yazdi K.  
 From Clinical Pharmacokinetics (2013), 52(9), 713-725. | Language: English, Database: CAPLUS



A review. Axitinib is a potent and selective second-generation **inhibitor** of vascular endothelial growth factor receptors 1, 2, and 3 that is approved in the US and several other countries for treatment of patients with advanced renal cell **carcinoma** after failure of one prior systemic therapy. The recommended clin. starting dose of axitinib is 5 mg twice daily, taken with or without food. Dose increase (up to a max. of 10 mg twice daily) or redn. is permitted based on individual tolerability. Axitinib pharmacokinetics are dose-proportional within 1-20 mg twice daily, which includes the clin...

  
  
 ~3
3. **BIBF 1120/nintedanib: a new triple angiokinase inhibitor-directed therapy in patients with non-small cell lung cancer**

[Quick View](#) [Full Text](#)

By Rolfo, Christian; Raez, Luis E.; Bronte, Giuseppe; Santos, Edgardo S.; Papadimitriou, Kostantinos; Buffoni, Lucio; van Meerbeeck, Jan P.; Russo, Antonio  
 From Expert Opinion on Investigational Drugs (2013), 22(8), 1081-1088. | Language: English, Database: CAPLUS

A review. Introduction: Several new targeted agents with **anti**-angiogenic properties have been developed recently, including vandetanib, sunitinib, sorafenib, bevacizumab and others. **Tumor** development, progression, metastasis are strongly linked to angiogenesis. Targeted agents like bevacizumab, a monoclonal antibody which targets VEGF, have been fully developed in several solid **tumors**. These new agents strongly advocate that targeting angiogenesis is one of the best approaches for **cancer** therapy. Areas covered: Those agents that target adnl. pro-angiogenic intracellular signaling pathways...

  
  
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Page: 1 of 31

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Author Name v

Ciardiello Fortunato	15
Troiani Teresa	11
Myers Jeffrey N	9
Fontanini Gabriella	8
Jiang Yuyang	8
Tan Chunyan	8
Tan Yuting	8
Tortora Giampaolo	8
Zhang Shixi	8
Bhide Rajeev S	7

1. **Evidence for G-quadruplex in the promoter of vegfr-2 and its targeting to inhibit tumor angiogenesis**

Quick View Full Text

By Salvati, Erica; Zizza, Pasquale; Rizzo, Angela; Iachettini, Sara; Cingolani, Chiara; D'Angelo, Carmen; Porru, Manuela; Randazzo, Antonio; Pagano, Bruno; Novellino, Ettore; et al  
From Nucleic Acids Research (2014), 42(5), 2945-2957. | Language: English, Database: CAPLUS

**Tumor** angiogenesis is mainly mediated by vascular endothelial growth factor (VEGF), a pro-angiogenic factor produced by **cancer** cells and active on the endothelium through the VEGF receptor 2 (**VEGFR-2**). Here we identify a G-rich sequence within the proximal promoter region of **vegfr-2**, able to form an antiparallel G-quadruplex (G4) structure. This G4 structure can be efficiently stabilized by small mols. with the consequent **inhibition** of **vegfr-2** expression. Functionally, the G4-mediated redn. of **VEGFR-2** protein causes a switching off of signaling components that, converging on actin cytoskele...

Person icon  
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2. **Icrucumab, a fully human monoclonal antibody against the vascular endothelial growth factor receptor-1, in the treatment of patients with advanced solid malignancies: a Phase 1 study**

Quick View Full Text

By Lo Russo, Patricia M.; Krishnamurthi, Smitha; Youssoufian, Hagop; Hall, Nancy; Fox, Floyd; Dontabhaktuni, Aruna; Grebennik, Dmitri; Remick, Scot  
From Investigational New Drugs (2014), 32(2), 303-311. | Language: English, Database: CAPLUS

Background IMC-18F1 (icrucumab), a human monoclonal antibody against vascular endothelial growth factor receptor-1 (**VEGFR-1**), potently **inhibits** ligand-dependent phosphorylation of **VEGFR-1** and downstream signaling, making icrucumab an attractive candidate for **antitumor** activity. Objectives The primary objective was to det. the safety profile and max. tolerated dose of icrucumab in patients with advanced solid **tumors** that were previously unresponsive to std. therapy or for which no std. therapy was available. Methods In this open-label, dose-escalation, Phase 1 study, patients received icrucum...

Person icon  
~0
3. **Use of neural stem cells for treatment of malignancy using a biocompatible adhesive at the post-surgical site to inhibit angiogenesis**

Quick View Full Text PDF

By Crawford, Susan E.

Person icon  
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Categorize系统分类功能，基于Index Term，对文献依学科方向进行分类

# SciFinder中的Categorize

一级目录

二级目录

和二级目录相关的  
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	Substances in medicine (8704)	Page: 1 of 88 Select All   Deselect All <input type="checkbox"/> ZD6474 54 <input checked="" type="checkbox"/> Sorafenib 46 <input type="checkbox"/> Antitumor agents 36 <input type="checkbox"/> Antibodies and Immunoglobulins 34 <input type="checkbox"/> Bevacizumab 33 <input checked="" type="checkbox"/> Paclitaxel 33 <input type="checkbox"/> Sunitinib 33 <input type="checkbox"/> Gefitinib 28 <input type="checkbox"/> Vascular endothelial growth factor receptors 27 <input type="checkbox"/> Erlotinib 22 <input type="checkbox"/> 5-Fluorouracil 21 <input type="checkbox"/> Cetuximab 21 <input type="checkbox"/> Cisplatin 21 <input type="checkbox"/> Carboplatin 20	Click 'x' to remove the category from 'Selected Terms' * Biotechnology > Substances in medicine (2 Terms)
General chemistry	Medicine (323)		索拉菲尼 紫杉醇
Biotechnology	Substances in biological uses (1035)		
Synthetic chemistry	Substances in adverse effects (165)		
Genetics & protein chemistry	Toxicology & forensics (23)		
Biology	Agriculture (22)		
Physical chemistry	Food (6)		
Polymer chemistry			
Analytical chemistry			
Technology			
Environmental chemistry			
Catalysis			

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0 of 485 References Selected Page: 1 of 25

**1. Stability of food allergens to digestion in vitro**  
 Quick View Full Text  
 By Astwood, James D.; Leach, John N.; Fuchs, Roy L.  
 From Nature Biotechnology (1996), 14(10), 1269-1273. | Language: English, Database: CAPLUS  
 An integral part of the **safety** assessment of **genetically modified** plants is consideration of possible human health effects, esp. **food** allergy. Prospective testing for allergenicity of proteins obtained from sources with no prior history of causing allergy has been difficult because of the absence of valid methods and models. **Food** allergens may share physicochem. properties that distinguish them from nonallergens, properties that may be used as a tool to predict the inherent allergenicity of proteins newly introduced into the **food** supply by **genetic** engineering. One candidate property is stab...

**2. The feeding value of soybeans fed to rats, chickens, catfish and dairy cattle is not altered by genetic incorporation of glyphosate tolerance**  
 Quick View Full Text  
 By Hammond, Bruce G.; Vicini, John L.; Hartnell, Gary F.; Naylor, Mark W.; Knight, Christopher D.; Robinson, Edwin H.; Fuchs, Roy L.; Padgett, Stephen R.  
 From Journal of Nutrition (1996), 126(3), 717-27. | Language: English, Database: CAPLUS  
 Animal **feeding** studies were conducted with rats, broiler chickens, catfish and dairy cattle fed diets containing varying levels of **genetically modified** to tolerate in-season application of glyphosate. The effect of glyphosate-tolerant soybeans (GTS) to the **feeding** value of the parent soybeans was compared. The diets at the same concns. as used com.; dairy cows were **fed** 10 g/

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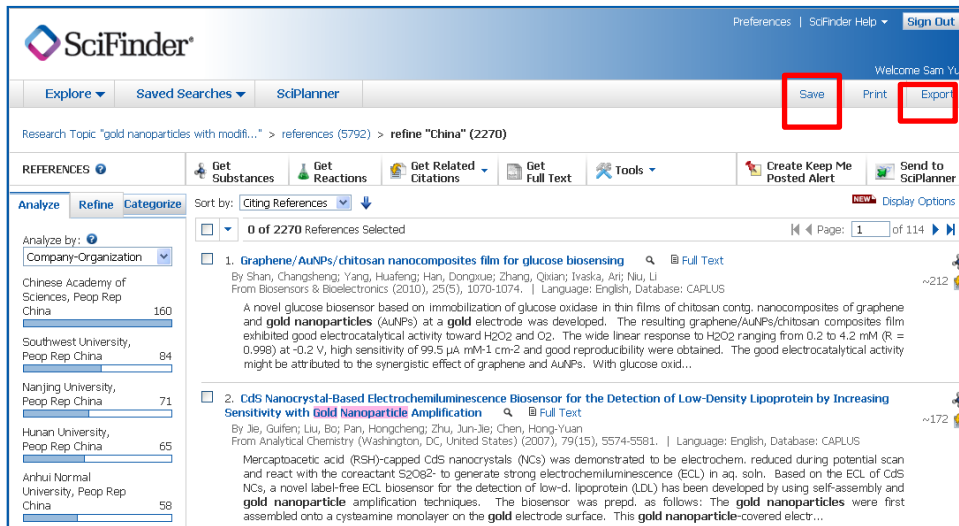
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0 of 2270 References Selected | Page: 1 of 114

1. **Graphene/AuNPs/chitosan nanocomposites film for glucose biosensing** | Full Text | ~212  
 By Shan, Changsheng; Yang, Huaifeng; Han, Dongxue; Zhang, Qitian; Ivaska, Art; Niu, Li  
 From Biosensors & Bioelectronics (2010), 25(5), 1070-1074. | Language: English, Database: CAPLUS  
 A novel glucose biosensor based on immobilization of glucose oxidase in thin films of chitosan contg. nanocomposites of graphene and gold nanoparticles (AuNPs) at a gold electrode was developed. The resulting graphene/AuNPs/chitosan composites film exhibited good electrocatalytic activity toward H<sub>2</sub>O<sub>2</sub> and O<sub>2</sub>. The wide linear response to H<sub>2</sub>O<sub>2</sub> ranging from 0.2 to 4.2 mM (R = 0.998) at -0.2 V, high sensitivity of 99.5 μA mM<sup>-1</sup> cm<sup>-2</sup> and good reproducibility were obtained. The good electrocatalytic activity might be attributed to the synergistic effect of graphene and AuNPs. With glucose oxid...

2. **CdS Nanocrystal-Based Electrochemiluminescence Biosensor for the Detection of Low-Density Lipoprotein by Increasing Sensitivity with Gold Nanoparticle Amplification** | Full Text | ~172  
 By Jie, Gufen; Liu, Bo; Pan, Hongcheng; Zhu, Jun-Jie; Chen, Hong-Yuan  
 From Analytical Chemistry (Washington, DC, United States) (2007), 79(15), 5574-5581. | Language: English, Database: CAPLUS  
 Mercaptoacetic acid (RSH)-capped CdS nanocrystals (NCs) was demonstrated to be electrochem. reduced during potential scan and react with the coreactant S<sub>2</sub>O<sub>8</sub><sup>2-</sup> to generate strong electrochemiluminescence (ECL) in aq. soln. Based on the ECL of CdS NCs, a novel label-free ECL biosensor for the detection of low-d. lipoprotein (LDL) has been developed by using self-assembly and gold nanoparticle amplification techniques. The biosensor was prepd. as follows: The gold nanoparticles were first assembled onto a cysteamine monolayer on the gold electrode surface. This gold nanoparticle-covered electr...

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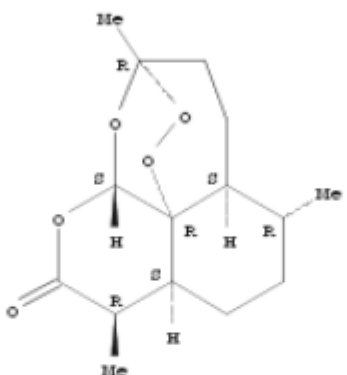
# 提纲

- 介绍
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  - SciFinder Web中的文献记录及主题检索
  - SciFinder Web中的物质结果及物质检索方法
  - SciFinder Web中的反应记录及反应检索
- **SciFinder Web的注册和常见问题**

# SciFinder中的物质结果界面

1. 63968-64-9

~3511 
~105 



Absolute stereochemistry.

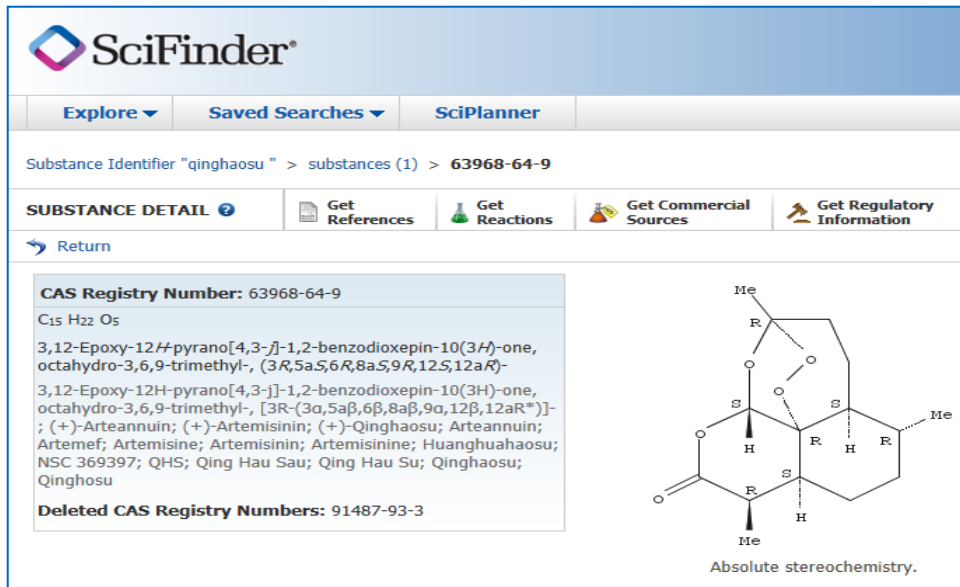
**C<sub>15</sub> H<sub>22</sub> O<sub>5</sub>**  
 3,12-Epoxy-12*H*-pyrano[4,3-*j*]-1,2-benzodioxepin-10(3*H*)-one, octahydro-3,6,9-trimethyl-, (3*R*,5*aS*,6*R*,8*aS*,9*R*,12*S*,12*aR*)-

[Regulatory Information](#)  
[Spectra](#)  
[Experimental Properties](#)

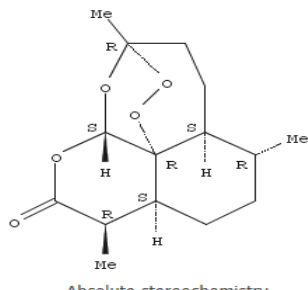
一个完整的物质结果界面包含：

- 物质详情连接
- 文献连接
- 反应连接
- 商品信息连接
- 管制品信息连接
- 谱图连接
- 实验性质连接

# Substance Detail—查看物质详细信息



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 Substance Identifier "qinghaosu" > substances (1) > **63968-64-9**  
 SUBSTANCE DETAIL ⓘ Get References Get Reactions Get Commercial Sources Get Regulatory Information  
 Return  
**CAS Registry Number:** 63968-64-9  
 C<sub>15</sub> H<sub>22</sub> O<sub>5</sub>  
 3,12-Epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one, octahydro-3,6,9-trimethyl-, (3*R*,5*a*,*S*,6*R*,8*a*,*S*,9*R*,12*S*,12*a**R*)-  
 3,12-Epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one, octahydro-3,6,9-trimethyl-, [3*R*-(3*α*,5*α*β,6β,8*α*β,9*α*,12β,12*α**R*\*)]-; (+)-Artemisinin; (+)-Artemisinin; (+)-Qinghaosu; Arteannuin; Artemef; Artemisine; Artemisinin; Artemisinine; Huanghuahaosu; NSC 369397; QHS; Qing Hau Sau; Qing Hau Su; Qinghaosu; Qinghosu  
**Deleted CAS Registry Numbers:** 91487-93-3



Absolute stereochemistry.

物质的CAS号、分子式、结构式、化学名、别名

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Analytical Study	✓	✓	✓	✓
Biological Study	✓	✓	✓	✓
Formation, Nonpreparative		✓	✓	✓
Miscellaneous	✓	✓		
Occurrence	✓	✓		✓
Preparation	✓	✓	✓	✓
Process	✓	✓	✓	✓
Properties	✓	✓	✓	✓
Prophetic in Patents	✓			
Reactant or Reagent	✓	✓	✓	✓
Uses	✓	✓	✓	✓

# Substance Detail—查看物质详细信息



Bioactivity Indicators		Target Indicators	
	References		References
Anti-infective agents (all) >>> Antimalarials	939	Cytokines (all) >> Interleukin 6	10
Anti-infective agents (all) >> Parasiticides	56	Cytokines (all) >> Interleukin 6	10
Antitumor agents (all) > Antitumor agents	200	Cytokines (all) >> Interleukin 6	10
Natural products MD pharmaceutical	132	Cytokines (all) >> Tumor necrosis factor $\alpha$	16
		Cytokines (all) >> Tumor necrosis factor $\alpha$	16
		Enzymes (all) >>> Adenosine triphosphatase	18
		Enzymes (all) >>>>> Caspase-3	12
		Enzymes (all) >>> Dihydrofolate reductase	10
		Enzymes (all) >>> Proteasome	17
		Enzymes (all) >>>>>> Src kinase	13
		Glycoproteins (all) >> P-glycoproteins	20
		Hemoproteins (all) >>>> Cytochrome P450 CYP3A4	13
		Interferons (all) > Interleukin 6	10
		Interleukins (all) > Interleukin 6	10
		Phosphoproteins (all) >> P-glycoproteins	20
		Proteins	21
		Receptors (all) > Toll-like receptors	13
		RNA formation factors (all) >>> Transcription factor NF- $\kappa$ B	24
		Transport proteins (all) >>>>> Cytochrome P450 CYP3A4	13
		Transport proteins (all) >> P-glycoproteins	20
		Transport proteins (all) >>> Sarcoplasmic-endoplasmic reticulum calcium pumps	12

物质的生物活性和靶点信息，直接点击，获得相关文献

0 of 20 References Selected

- MDR1-associated resistance to artesunate + mefloquine does not impair blood-stage parasite fitness in a rodent malaria model**  

By Rodrigues, Louise; Henriques, Gisela; Cravo, Pedro  
 From Infection, Genetics and Evolution (2013), 14, 340-346. | Language: English, Database: CAPLUS

If drug-resistant malaria mutants are less fit than sensitive forms, they will wane over time when active drug pressure is removed and the overall sensitivity to the drug may be restored. However, most studies addressing this issue have been largely retrospective. Here, we undertook a predictive study, using mutant rodent malaria parasites resistant to the Artemisinin combination treatment (ACT) version of artesunate + mefloquine (ATN + MF) to gain insights about their ability to compete with ATN + MF-sensitive forms in untreated hosts. Previously, Plasmodium chabaudi parasites resistant to...
- Artemether resistance in vitro is linked to mutations in PfATP6 that also interact with mutations in PfMDR1 in travellers returning with Plasmodium falciparum infections**  

By Pillai, Dylan R.; Lau, Rachel; Khairnar, Krishna; Lepore, Rosalba; Via, Allegra; Staines, Henry M.; Krishna, Sanjeev  
 From Malaria Journal (2012), 11, 131. | Language: English, Database: CAPLUS

Background: Monitoring resistance phenotypes for Plasmodium falciparum, using in vitro growth assays, and relating findings to parasite genotype has proved particularly challenging for the study of resistance to artemisinins. Methods: Plasmodium falciparum isolates cultured from 28 returning travellers diagnosed with malaria were assessed for sensitivity to artemisinin, artemether, dihydroartemisinin and artesunate and findings related to mutations in pfatp6 and pfmdr1. Results: Resistance to artemether in vitro was significantly assocd. with a pfatp6 haplotype encoding two amino acid substi...

# Substance Detail—查看物质详细信息

## Predicted Properties: Biological Chemical Density Lipinski and Related Spectra Structure-related Thermal

Biological Properties	Value	Condition	Note	Top
Bioconcentration Factor	31.2	pH 1 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 2 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 3 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 4 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 5 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 6 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 7 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 8 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 9 Temp: 25 °C	(26)	
Bioconcentration Factor	31.2	pH 10 Temp: 25 °C	(26)	

Lipinski and Related Properties	Value	Condition	Note	Top
Freely Rotatable Bonds	0		(26)	
H Acceptors	5		(26)	
H Donors	0		(26)	
H Donor/Acceptor Sum	5		(26)	
logP	2.269±0.680	Temp: 25 °C	(26)	
Molecular Weight	282.33		(26)	
Spectra Properties	Value	Condition	Note	Top
Carbon-13 NMR Spectrum	See spectrum		(27)	
Proton NMR Spectrum	See spectrum		(27)	



# Substance Detail—查看物质详细信息

## Experimental Properties: Biological Chemical Density Flow and Diffusion Lipinski and Related Optical and Scattering Spectra Structure-related Thermal

Biological Properties	Value	Condition	Note	Top
ADME (Absorption, Distribution, Metabolism, Excretion)	See full text		(1)CAS	
Half-Life (Biological)	See full text	1 of 2	(9)CAS	
Median Lethal Dose(LD50)	5576 mg/kg	Organism: rat Route: oral	(14)APC	
Median Lethal Dose(LD50)	5105 mg/kg	Organism: mouse Route: oral	(14)APC	
Median Lethal Dose(LD50)	2800 mg/kg	Organism: mouse Route: intramuscular	(14)APC	
Median Lethal Dose(LD50)	2571 mg/kg	Organism: rat Route: intramuscular	(14)APC	
Median Lethal Dose(LD50)	1558 mg/kg	Organism: mouse Route: intraperitoneal	(14)APC	
Minimum Inhibitory Concentration	See full text	1 of 2	(18)CAS	

Lipinski and Related Properties	Value	Condition	Note	Top
logP	See full text	1 of 2	(12)CAS	

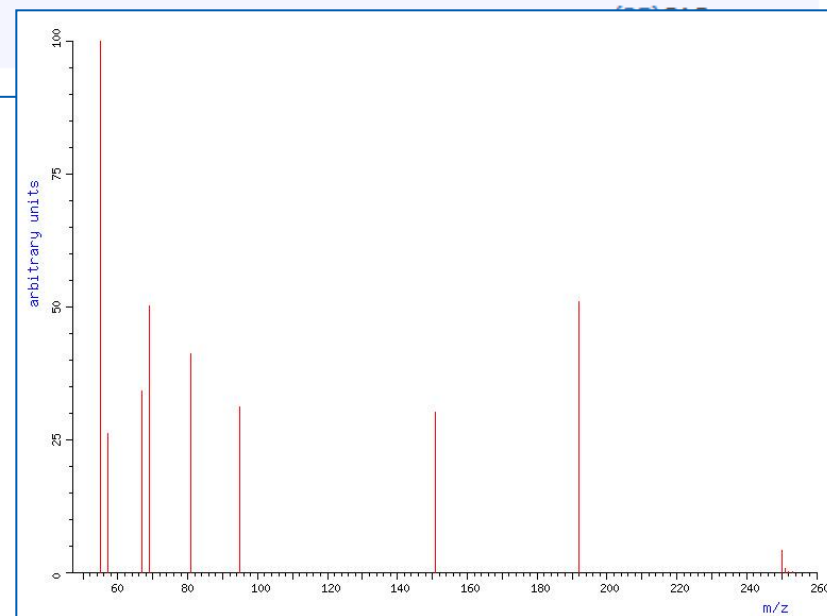
  

Optical and Scattering Properties	Value	Condition	Note	Top
Optical Rotatory Power	+87.9 °	Solv: 1,4-dioxane (123-91-1); Wavlen: 589.3 nm	(20)CAS	
Optical Rotatory Power	+75-+78 °	Conc: 1.0 g/100mL; Solv: ethanol (64-17-5); Wavlen: 589.3 nm; Temp: 20 °C	(12)CAS	
Optical Rotatory Power	+68.2 °	Conc: 0.97 g/100mL; Solv: chloroform (67-66-3); Temp: 25 °C	(16)IC	


# Substance Detail—查看物质详细信息





Spectra Properties	Value	Condition	Note	Top
Carbon-13 NMR Spectrum	See full text	1 of 8	(3)CAS	
Circular Dichroism Spectrum	See full text	1 of 2	(4)IC	
IR Absorption Spectrum	See full text	1 of 11	(11)CAS	
Mass Spectrum	<a href="#">See spectrum</a>		(13)WSS	
Mass Spectrum	See spectrum		(13)WSS	
Mass Spectrum	See full text	1 of 10	(1)CAS	
Proton NMR Spectrum	See full text	1 of 10	(15)CAS	
Raman Spectrum	See full text	1 of 2	(5)CAS	
Two-Dimensional NMR Spectrum	See full text	1 of 2	(24)CAS	
UV and Visible Absorption Spectrum	See full text		(22)CAS	
UV and Visible Emission/Luminescence Spectrum	See full text			

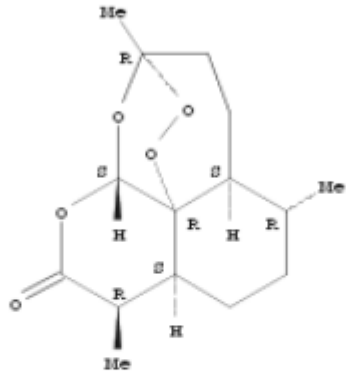
物质的实验谱图



# 物质有关的文献信息

1. 63968-64-9 

  ~3511  ~105 




Absolute stereochemistry.

**C<sub>15</sub> H<sub>22</sub> O<sub>5</sub>**  
 3,12-Epoxy-12*H*-pyrano[4,3-*j*]-1,2-benzodioxepin-10(3*H*)-one, octahydro-3,6,9-trimethyl-, (3*R*,5*aS*,6*R*,8*aS*,9*R*,12*S*,12*aR*)-

[Regulatory Information](#)  
[Spectra](#)  
[Experimental Properties](#)

一键获得文献，可以获得全部，也可以勾选特别感兴趣的内容，不勾选，默认获得全部

**Get References** 

**Limit results to:**

<input checked="" type="checkbox"/> Adverse Effect, including toxicity	<input type="checkbox"/> Prophetics in Patents
<input type="checkbox"/> Analytical Study	<input type="checkbox"/> Preparation
<input type="checkbox"/> Biological Study	<input type="checkbox"/> Process
<input type="checkbox"/> Combinatorial Study	<input type="checkbox"/> Properties
<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.

# 物质有关的反应

1. **63968-64-9** 🔍

~3511 ~105

Absolute stereochemistry.

**C15 H22 O5**  
3,12-Epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one, octahydro-3,6,9-trimethyl-, (3R,5aS,6R,8aS,9R,12S,12aR)-

[Regulatory Information](#)  
[Spectra](#)  
[Experimental Properties](#)

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

50%

[Overview](#)

**Get Reactions** ⓘ

**Limit results by reaction role:**

Product

Reactant

Reagent

Reactant or reagent

Catalyst

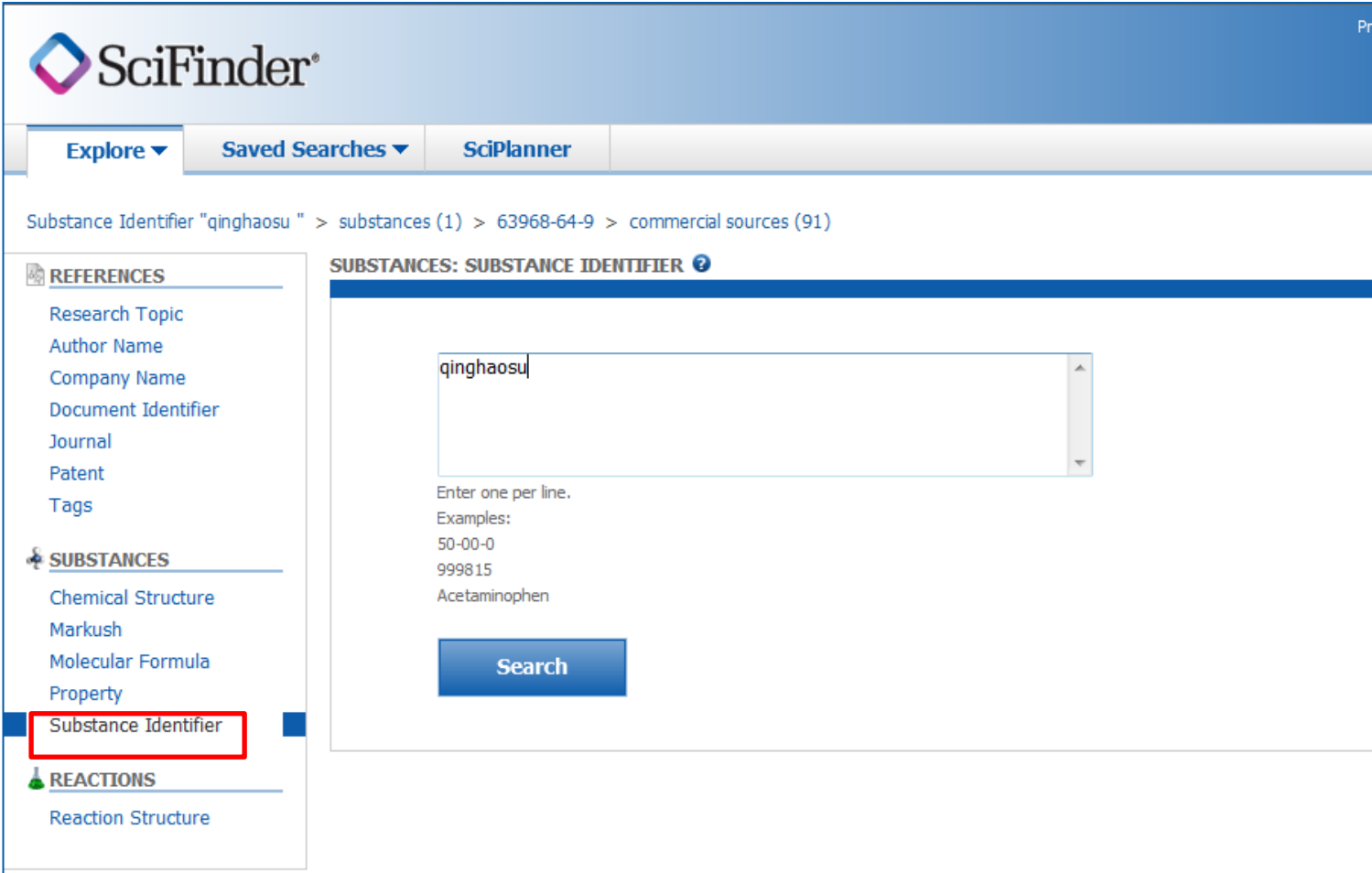
Solvent

Any role

# SciFinder中的物质检索方法

- 功能方面
  - 物质名称, CAS No
  - 分子式
  - 结构式
  - 理化性质
- 推荐的物质检索功能
  - 有机物, 天然产物及衍生物 ——结构比较方便
  - 无机物 ——分子式比较方便
  - 高分子化合物 ——首先分子式, 其次结构

# 物质名称检索



Substance Identifier "qinghaosu" > substances (1) > 63968-64-9 > commercial sources (91)

**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: SUBSTANCE IDENTIFIER**

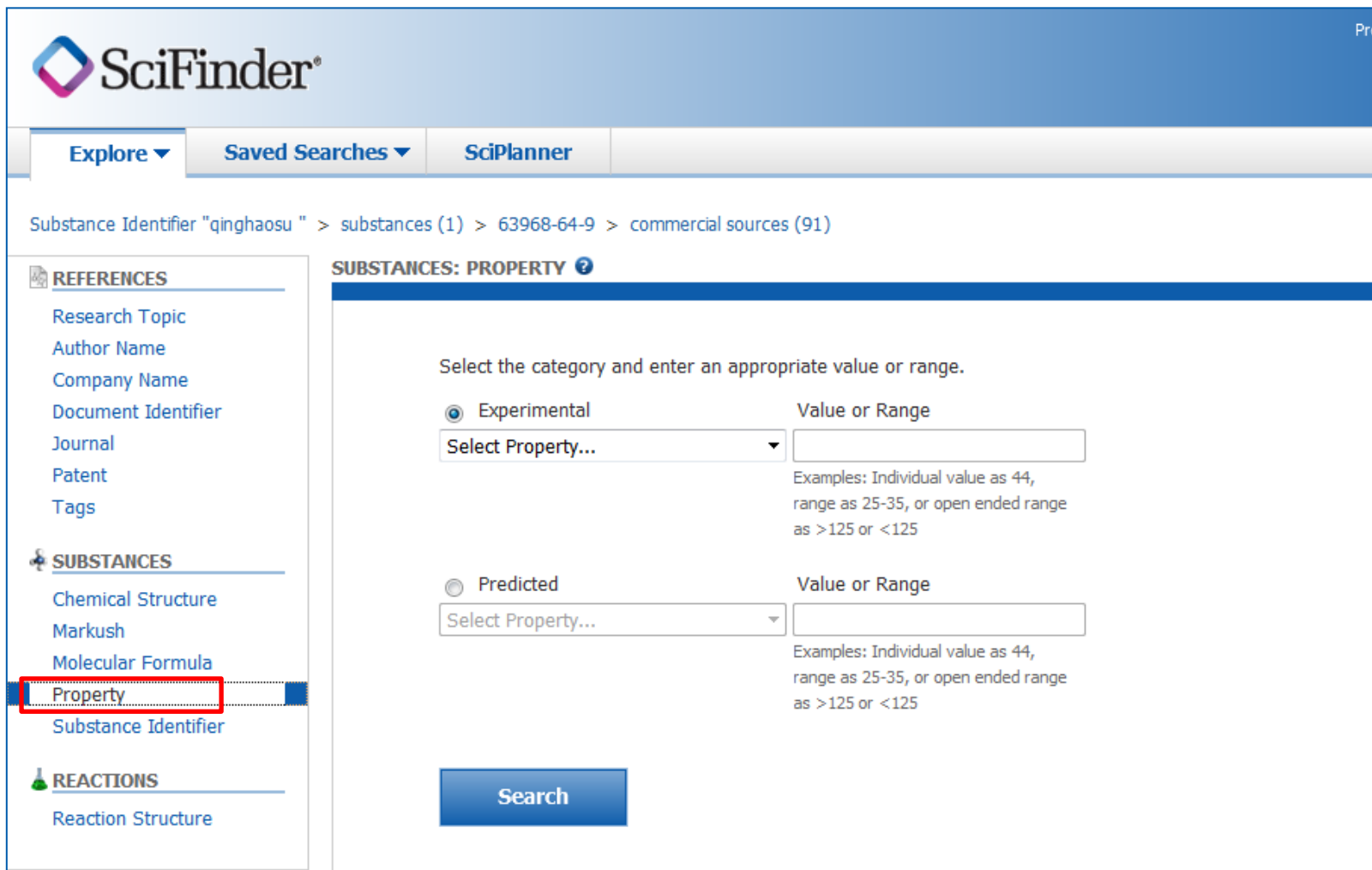
qinghaosu

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

**Search**

直接输入物质的名称，CAS No，俗名，都能检索，一次最多检索25个物质，用换行换开

# 理化性质检索



Substance Identifier "qinghaosu" > substances (1) > 63968-64-9 > commercial sources (91)

**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: PROPERTY**

Select the category and enter an appropriate value or range.

Experimental

Select Property...

Examples: Individual value as 44,  
range as 25-35, or open ended range  
as >125 or <125

Predicted

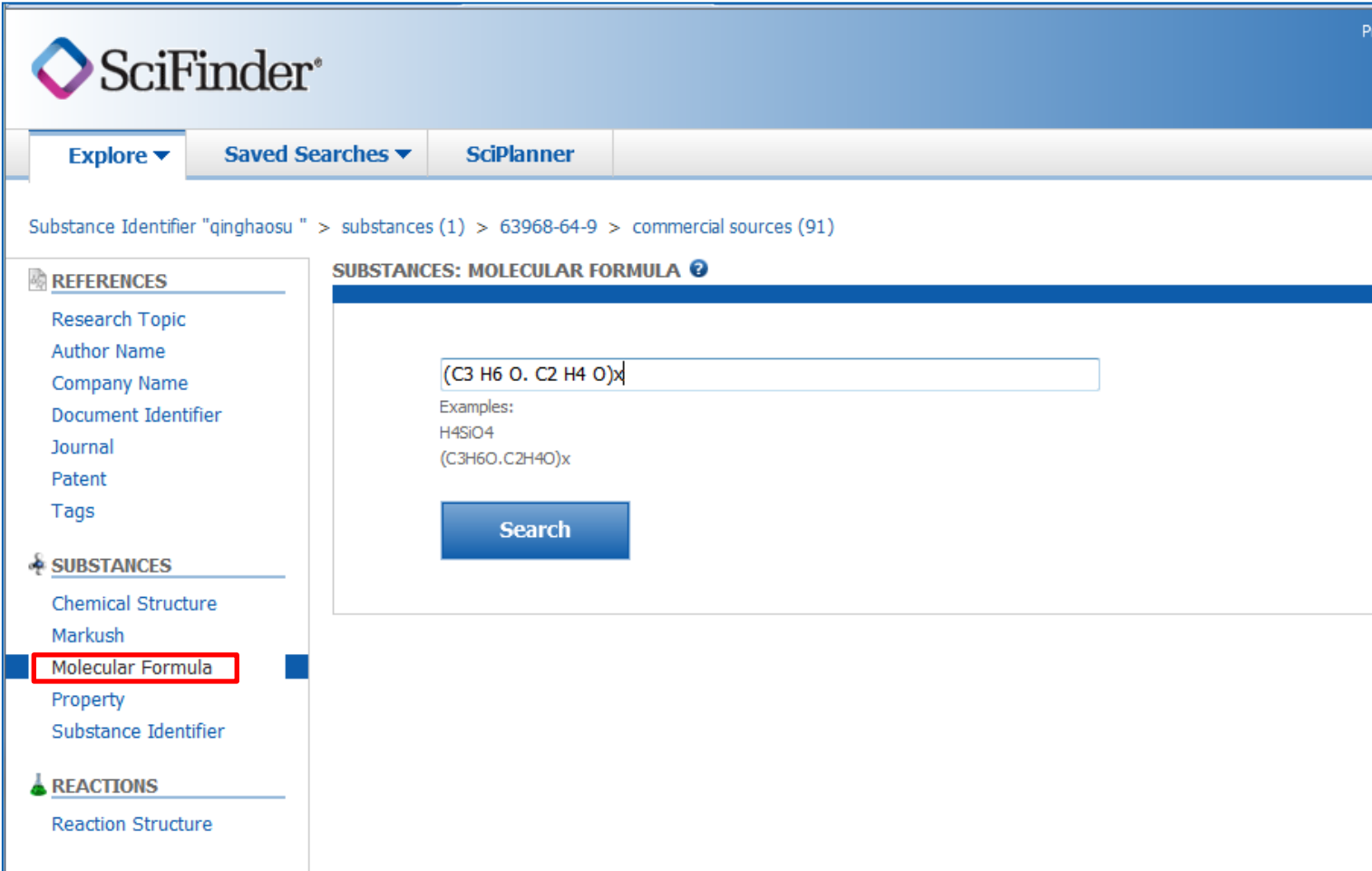
Select Property...

Examples: Individual value as 44,  
range as 25-35, or open ended range  
as >125 or <125

**Search**



# 分子式检索



Substance Identifier "qinghaosu" > substances (1) > 63968-64-9 > commercial sources (91)

**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 ?**

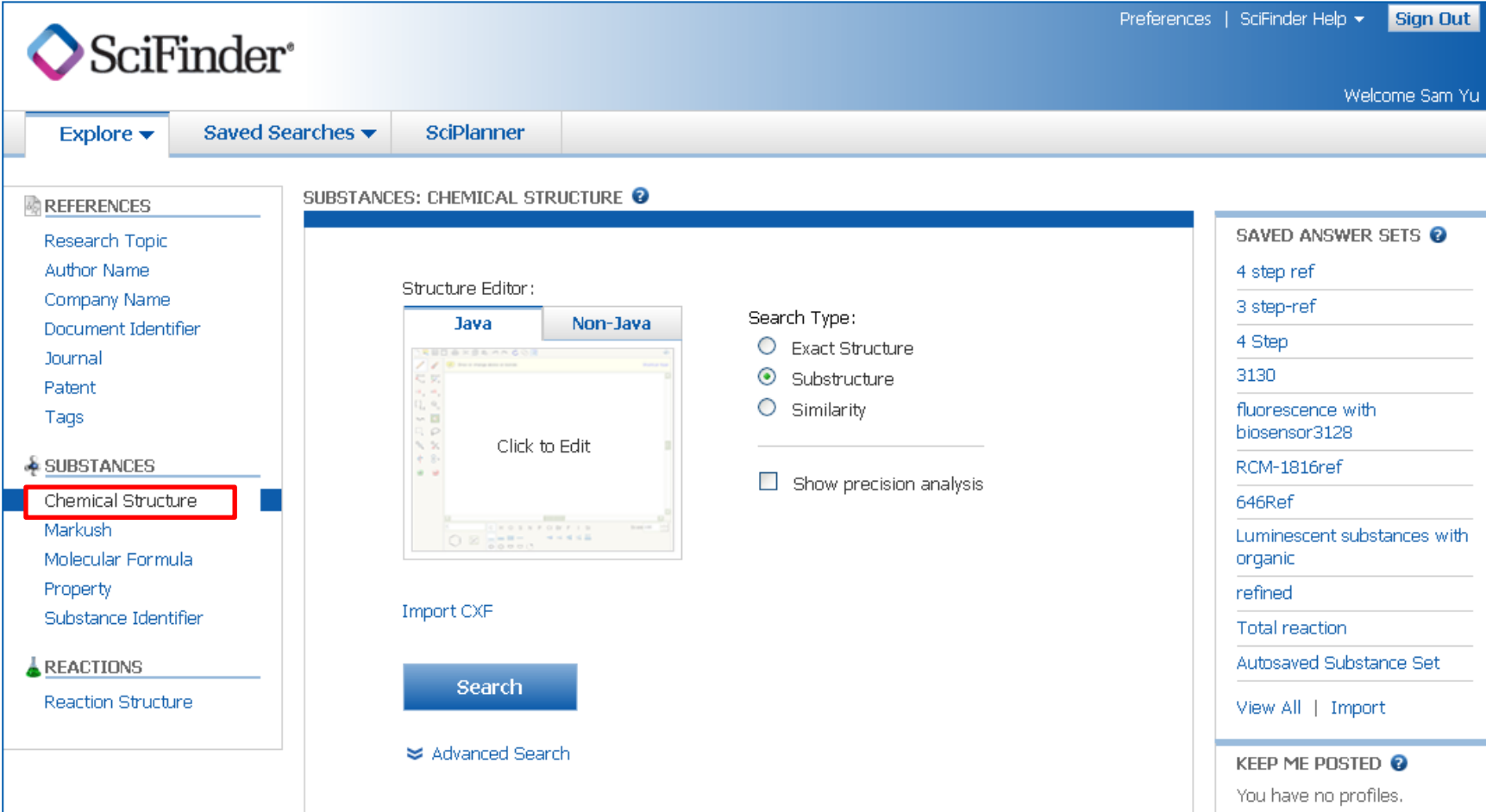
(C3 H6 O. C2 H4 O)x

Examples:  
 H4SiO4  
 (C3H6O.C2H4O)x

Search

SciFinder中的分子式的检索，需要按照HILL排序方式输入，简单来说，CH写前面，其他的按照字母顺序写

# 结构式检索



The screenshot displays the SciFinder web interface. At the top right, there are links for "Preferences", "SciFinder Help", and a "Sign Out" button. Below the SciFinder logo, a navigation bar includes "Explore", "Saved Searches", and "SciPlanner".

The main content area is titled "SUBSTANCES: CHEMICAL STRUCTURE". On the left, a sidebar menu lists various search categories: "REFERENCES" (Research Topic, Author Name, Company Name, Document Identifier, Journal, Patent, Tags), "SUBSTANCES" (Chemical Structure, Markush, Molecular Formula, Property, Substance Identifier), and "REACTIONS" (Reaction Structure). The "Chemical Structure" option is highlighted with a red box.

The central workspace contains a "Structure Editor" window with "Java" and "Non-Java" tabs. The editor area is empty and contains the text "Click to Edit". To the right of the editor, the "Search Type" options are:
 

- Exact Structure
- Substructure
- Similarity

 There is also a checkbox for "Show precision analysis".

Below the editor, there is an "Import CXF" link and a prominent blue "Search" button. At the bottom of this section is a link for "Advanced Search".

On the right side of the interface, there is a "SAVED ANSWER SETS" section. It lists several saved search results:
 

- 4 step ref
- 3 step-ref
- 4 Step
- 3130
- fluorescence with biosensor3128
- RCM-1816ref
- 646Ref
- Luminescent substances with organic refined
- Total reaction
- Autosaved Substance Set

 At the bottom of this list are links for "View All" and "Import".

At the very bottom right, there is a "KEEP ME POSTED" section with a help icon and the text "You have no profiles."

# SciFinder结构绘制工具

The screenshot shows the SciFinder Structure Editor interface. The main window is titled "Structure Editor" and contains a toolbar with various drawing tools. The interface is annotated with red boxes and Chinese labels pointing to specific features:

- 铅笔** (Pencil): Points to the pencil icon in the toolbar.
- 橡皮** (Eraser): Points to the eraser icon in the toolbar.
- 结构和反应切换功能** (Structure and reaction switching function): Points to the "Drawing Editor" panel on the right, which has radio buttons for "Structure", "Reaction", and "Markush".
- 元素周期表** (Periodic table): Points to the periodic table icon in the toolbar.
- 常用基团** (Common groups): Points to the "Common Groups" icon in the toolbar.
- 可变基团** (Variable groups): Points to the "Atom" and "Short" icons in the toolbar.
- R基团定义工具** (R-group definition tool): Points to the "=R" icon in the toolbar.
- 可变位置连接工具** (Variable position connection tool): Points to the "X" and "R" icons in the toolbar.
- 重复基团工具** (Repeat group tool): Points to the "[ ]" icon in the toolbar.
- 模版工具** (Template tool): Points to the template icon in the toolbar.
- 碳链工具** (Carbon chain tool): Points to the carbon chain icon in the toolbar.
- 索套选择工具** (Lasso selection tool): Points to the lasso selection icon in the toolbar.
- 选择工具** (Selection tool): Points to the selection icon in the toolbar.
- 原子锁定工具** (Atom locking tool): Points to the atom locking icon in the toolbar.
- 环锁定工具** (Ring locking tool): Points to the ring locking icon in the toolbar.
- 镜面旋转工具** (Mirror rotation tool): Points to the mirror rotation icon in the toolbar.
- 旋转工具** (Rotation tool): Points to the rotation icon in the toolbar.
- 单双键, RS构型, 不确定键定义工具** (Single/double bond, RS configuration, and uncertain bond definition tool): Points to the bond definition icons in the toolbar.
- C原子和单键恢复工具** (C-atom and single bond recovery tool): Points to the "C" and bond recovery icons in the toolbar.
- 正电子** (Positron): Points to the "+" icon in the toolbar.
- 负电子** (Negatron): Points to the "-" icon in the toolbar.
- 结构检索选择** (Structure search selection): Points to the search options in the "Get substances that match your query using:" panel on the right, including "Exact search", "Substructure search", and "Similarity search".
- 常见环, 多元环工具** (Common rings, multi-ring tool): Points to the ring icons in the toolbar.

# 精确结构检索

Explore ▾
Saved Searches ▾
SciPlanner

Chemical Structure substructure > substances (3908)

**REFERENCES**

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

**SUBSTANCES**

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

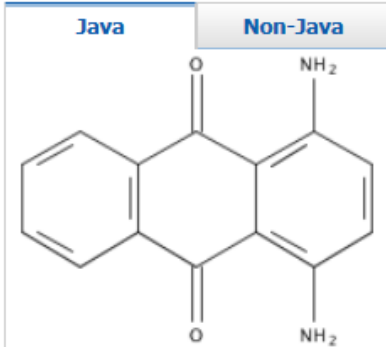
**REACTIONS**

- Reaction Structure

## SUBSTANCES: CHEMICAL STRUCTURE ?

Structure Editor:

Java
Non-Java



Click image to change structure or view detail.

[Import CXF](#)

Search

Search Type:

- Exact Structure
- Substructure
- Similarity

---

Show precision analysis

# 检索结果

1. Substance Detail  
128-95-0

~1301

**C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>**  
9,10-Anthracenedione, 1,4-diamino-

[Spectra](#)  
[Experimental Properties](#)

2. Substance Detail  
59637-62-6

~7

**C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>**  
9,10-Anthracenedione, 1,4-diamino- radical ion(1-)

3. Substance Detail  
84516-43-8

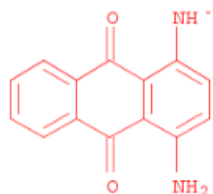
~5

128-95-0  
C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>

89-32-7  
C<sub>10</sub> H<sub>2</sub> O<sub>6</sub>

**(C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub> · C<sub>10</sub> H<sub>2</sub> O<sub>6</sub>)<sub>x</sub>**  
1*H*,3*H*-Benzo[1,2-*c*:4,5-*c'*]difuran-1,3,5,7-tetrone,  
polymer with 1,4-diamino-9,10-anthracenedione (9CI)

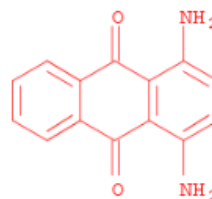
49. Substance Detail  
121749-47-1



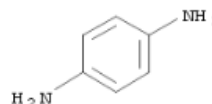
$C_{14}H_9N_2O_2$   
9,10-Anthracenedione, 1,4-diamino-, ion(1-)

50. Substance Detail  
122988-10-7

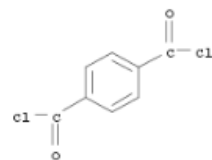
128-95-0  
 $C_{14}H_{10}N_2O_2$



106-50-3  
 $C_6H_8N_2$



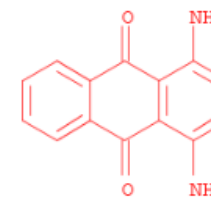
100-20-9  
 $C_8H_4Cl_2O_2$



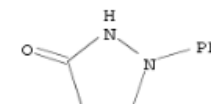
$(C_{14}H_{10}N_2O_2 \cdot C_8H_4Cl_2O_2 \cdot C_6H_8N_2)_x$   
1,4-Benzenedicarbonyl dichloride, polymer with 1,4-benzenediamine and 1,4-diamino-9,10-anthracenedione (9CI)

51. Substance Detail  
126905-64-4

128-95-0  
 $C_{14}H_{10}N_2O_2$



92-43-3  
 $C_9H_{10}N_2O$



$C_{14}H_{10}N_2O_2 \cdot C_9H_{10}N_2O$   
9,10-Anthracenedione, 1,4-diamino-, mixt with 1-phenyl-3-pyrazolidinone (9CI)

物质本身、多组分聚合物、混合物、含同位素物质、盐类和自由基等。

# 亚结构检索

Explore ▾ Saved Searches ▾ SciPlanner

Chemical Structure substructure > substances (3908)

**REFERENCES**

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

**SUBSTANCES**

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

**REACTIONS**

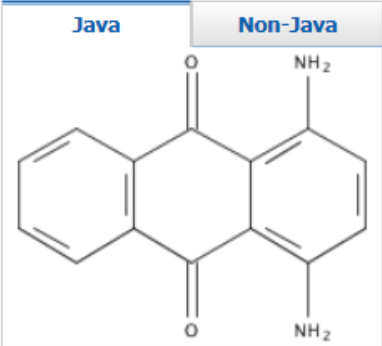
- Reaction Structure

**SUBSTANCES: CHEMICAL STRUCTURE** ?

Structure Editor:

Java

Non-Java



Click image to change structure or view detail.

Import CXF

**Search**

Search Type:

- Exact Structure
- Substructure**
- Similarity

Show precision analysis



# 亚结构检索结果

SUBSTANCES ?

Get References

Get Reactions

Get Commercial Sources

Tools v

Create Keep Me Posted Alert

Send to SciPlanner

Analyze

Refine

Sort by: Relevance v ↓

Answers per Page [15] View: ■ ■ ■

0 of 3908 Substances Selected

Page: 1 of 261 ▶ ◀

Analyze by: ?

Substance Role v

---

Uses 2009

Preparation 1384

Properties 1165

Reactant or Reagent 229

Biological Study 60

Miscellaneous 50

Process 49

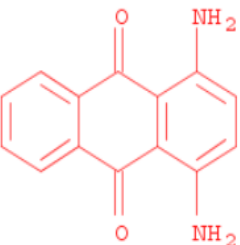
Analytical Study 17

Formation, Nonpreparative 11

Occurrence 8

1. Substance Detail

128-95-0



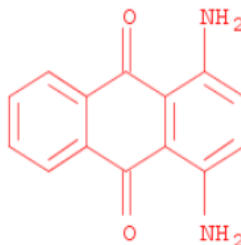
~1311

**C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>**  
9,10-Anthracenedione, 1,4-diamino-

[Spectra](#)  
[Experimental Properties](#)

2. Substance Detail

59637-62-6



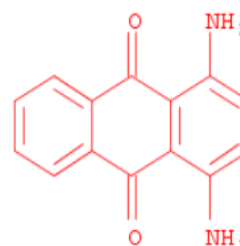
~7

**C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>**  
9,10-Anthracenedione, 1,4-diamino-, radical ion(1-)

3. Substance Detail

105469-86-1

128-95-0  
C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>



**(C<sub>14</sub> H<sub>10</sub> N<sub>2</sub> O<sub>2</sub>)<sub>x</sub>**  
9,10-Anthracenedione, 1,4-diamino-, homopolymer

~4

CAS is a division of the American Chemical Society.

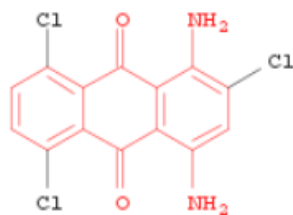
Copyright 2013 American Chemical Society. All rights reserved.

41

# 亚结构检索的结果

217. **Substance Detail**  
3223-93-6

~1 

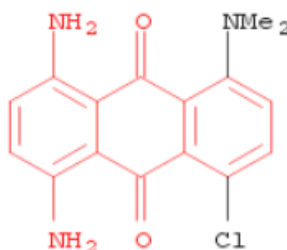


**C<sub>14</sub> H<sub>7</sub> Cl<sub>3</sub> N<sub>2</sub> O<sub>2</sub>**

9,10-Anthracenedione, 1,4-diamino-2,5,8-trichloro-

218. **Substance Detail**  
14509-07-0

~1 

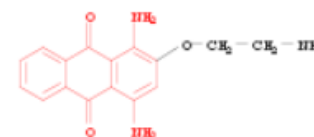


**C<sub>16</sub> H<sub>14</sub> Cl N<sub>3</sub> O<sub>2</sub>**

9,10-Anthracenedione, 1,4-diamino-5-chloro-8-(dimethylamino)-

219. **Substance Detail**  
54901-16-5

~1 

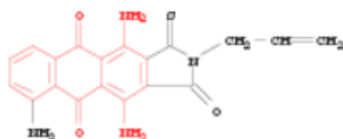


**C<sub>16</sub> H<sub>15</sub> N<sub>3</sub> O<sub>3</sub>**

9,10-Anthracenedione, 1,4-diamino-2-(2-aminoethoxy)-

1486. **Substance Detail**  
103359-31-5

~1 

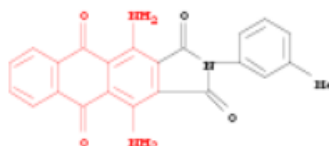


**C<sub>19</sub> H<sub>14</sub> N<sub>4</sub> O<sub>3</sub> S**

1H-Naphth[2,3-f]isoindole-1,5,10-trione, 4,9,11-triamino-2,3-dihydro-2-(2-propen-1-yl)-3-thioxo-

1487. **Substance Detail**  
109374-90-5

~1 

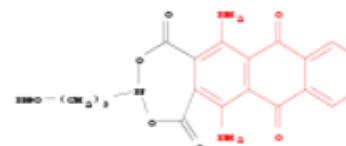


**C<sub>23</sub> H<sub>15</sub> N<sub>3</sub> O<sub>4</sub>**

1H-Naphth[2,3-f]isoindole-1,3,5,10(2H)-tetrone, 4,11-diamino-2-(3-methylphenyl)-

1488. **Substance Detail**  
112259-11-7

~1 



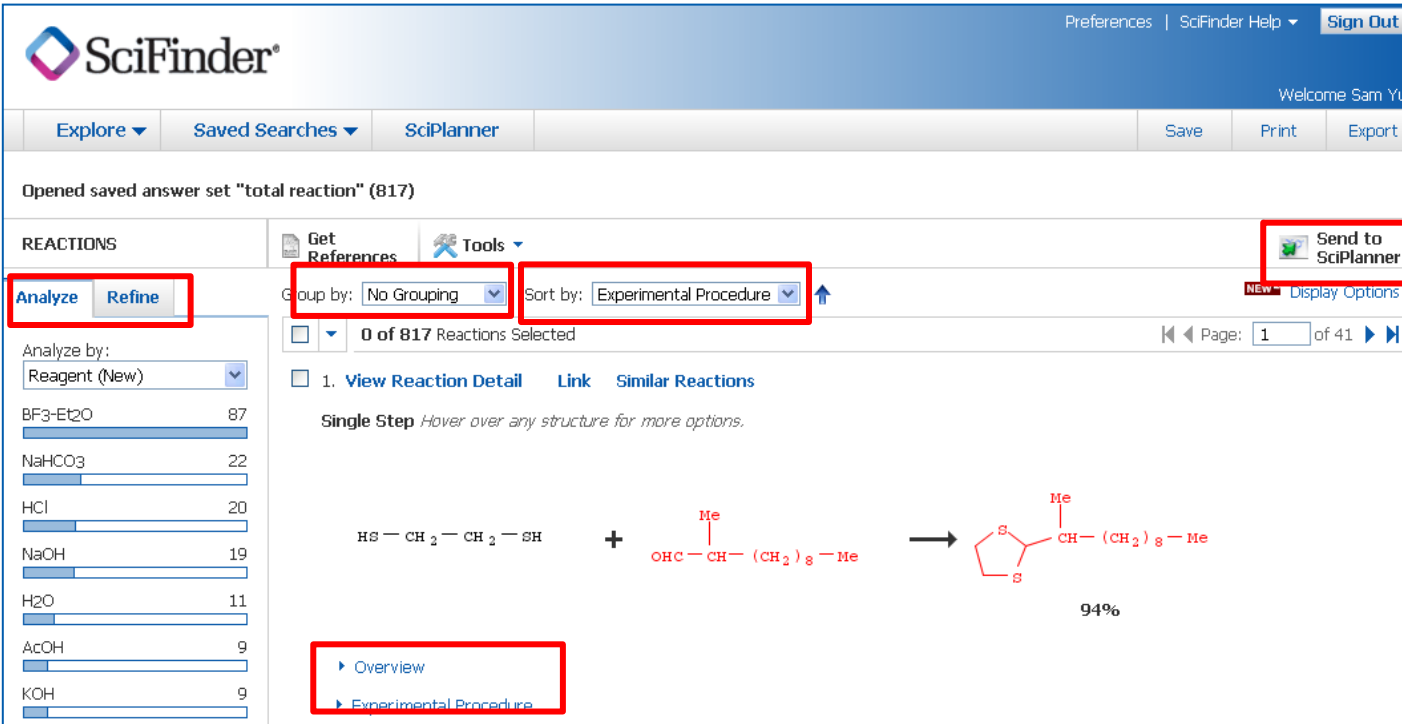
**C<sub>20</sub> H<sub>17</sub> N<sub>3</sub> O<sub>7</sub>**

Anthra[2,3-e][1,3,2]dioxazepine-1,5,7,12-tetrone, 6,13-diamino-3-(3-methoxypropyl)-

# 提纲

- 介绍
  - SciFinder Web中的内容
- **SciFinder Web中的检索和后处理**
  - SciFinder Web中的文献记录及主题检索
  - SciFinder Web中的物质结果及物质检索方法
  - SciFinder Web中的反应记录及反应检索
- **SciFinder Web的注册和常见问题**

# SciFinder Web中的反应记录



SciFinder® Preferences | SciFinder Help Sign Out

Welcome Sam Yu

Explore Saved Searches SciPlanner Save Print Export

Opened saved answer set "total reaction" (817)

REACTIIONS

Get References Tools

Analyze Refine

Group by: No Grouping Sort by: Experimental Procedure

Send to SciPlanner

Analyze by: Reagent (New)

BF <sub>3</sub> -Et <sub>2</sub> O	87
NaHCO <sub>3</sub>	22
HCl	20
NaOH	19
H <sub>2</sub> O	11
AcOH	9
KOH	9

0 of 817 Reactions Selected

1. View Reaction Detail Link Similar Reactions

Single Step Hover over any structure for more options.

HS-CH2-CH2-SH + Me-CH(OH)-(CH2)8-Me → Me-CH(O-CH2-CH2-S-CH2-CH2-S-CH2-CH2-CH2-CH2-CH2-CH2-CH2-CH2)8-Me
  
 94%

Overview  
Experimental Procedure

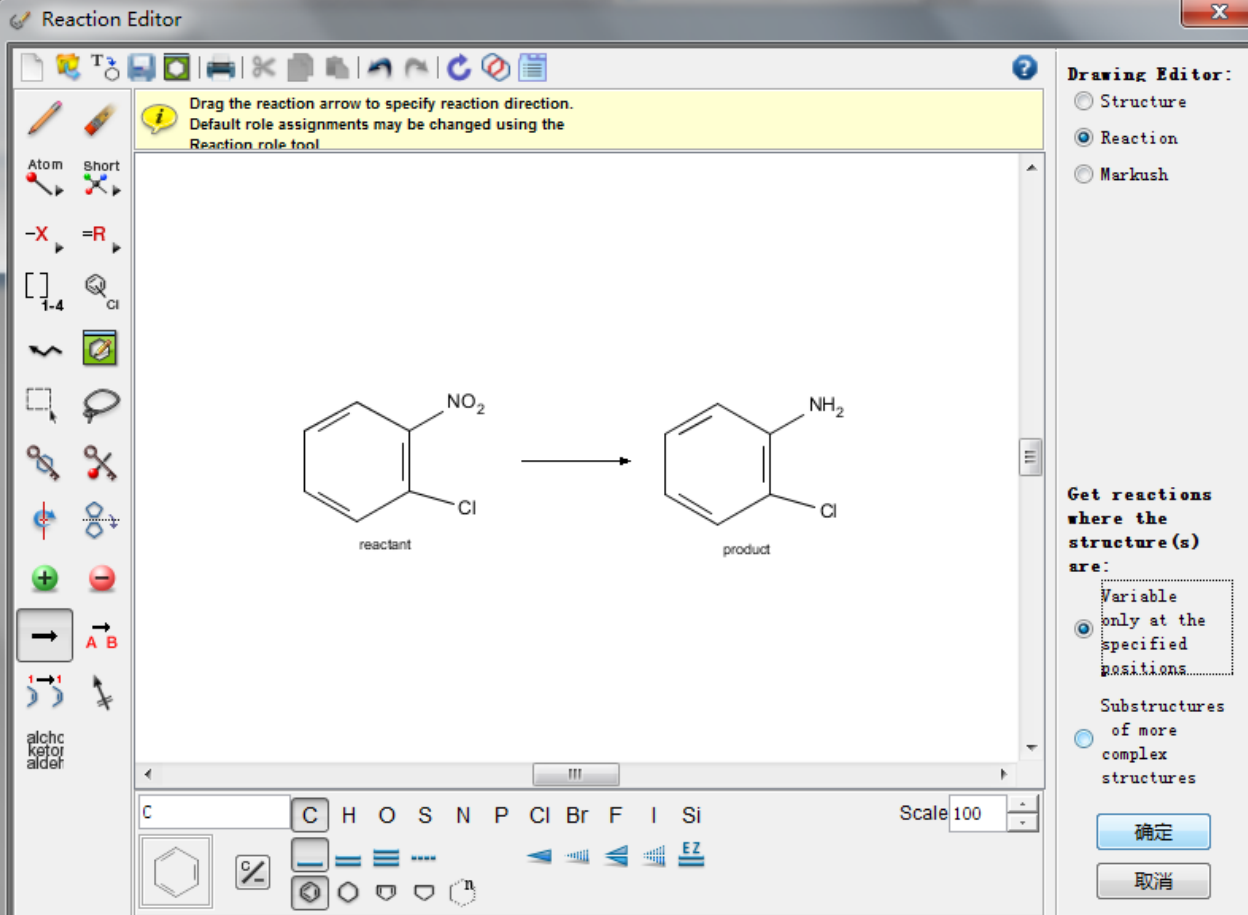
1. 反应分组功能
2. 反应排序功能
3. 反应后处理功能
4. 反应全景及实验过程
5. SciPlanner

# SciFinder中的反应定义工具

The image shows the 'Reaction Editor' window in SciFinder. The interface is divided into several sections:

- Left Toolbar:** Contains various drawing tools for atoms, bonds, and reaction symbols. Red boxes highlight:
  - 反应箭头:** Points to the reaction arrow icon.
  - 反应原子标记工具:** Points to the atom labeling tool (A, B).
  - 反应官能团列表:** Points to the functional group list (alchc, ketor, alder).
- Central Drawing Area:** A large white space for drawing chemical structures. A yellow banner at the top says 'Draw or change atoms or bonds.' and 'Shortcut Keys'.
- Right Panel:**
  - Drawing Editor:** Radio buttons for 'Structure', 'Reaction' (selected), and 'Markush'.
  - Get reactions where the structure(s) are:**
    - Radio button for 'only at the specified positions'.
    - Radio button for 'of more complex structures' (selected).
  - Buttons for '确定' (OK) and '取消' (Cancel).
- Bottom:** A chemical element palette (C, H, O, S, N, P, Cl, Br, F, I, Si) and a scale control set to 100.

# SciFinder 反应检索



Reaction Editor

Drag the reaction arrow to specify reaction direction.  
 Default role assignments may be changed using the Reaction role tool.

reactant → product

Structure  
 Reaction  
 Markush

Get reactions where the structure(s) are:

Variable only at the specified positions

Substructures of more complex structures

确定  
 取消

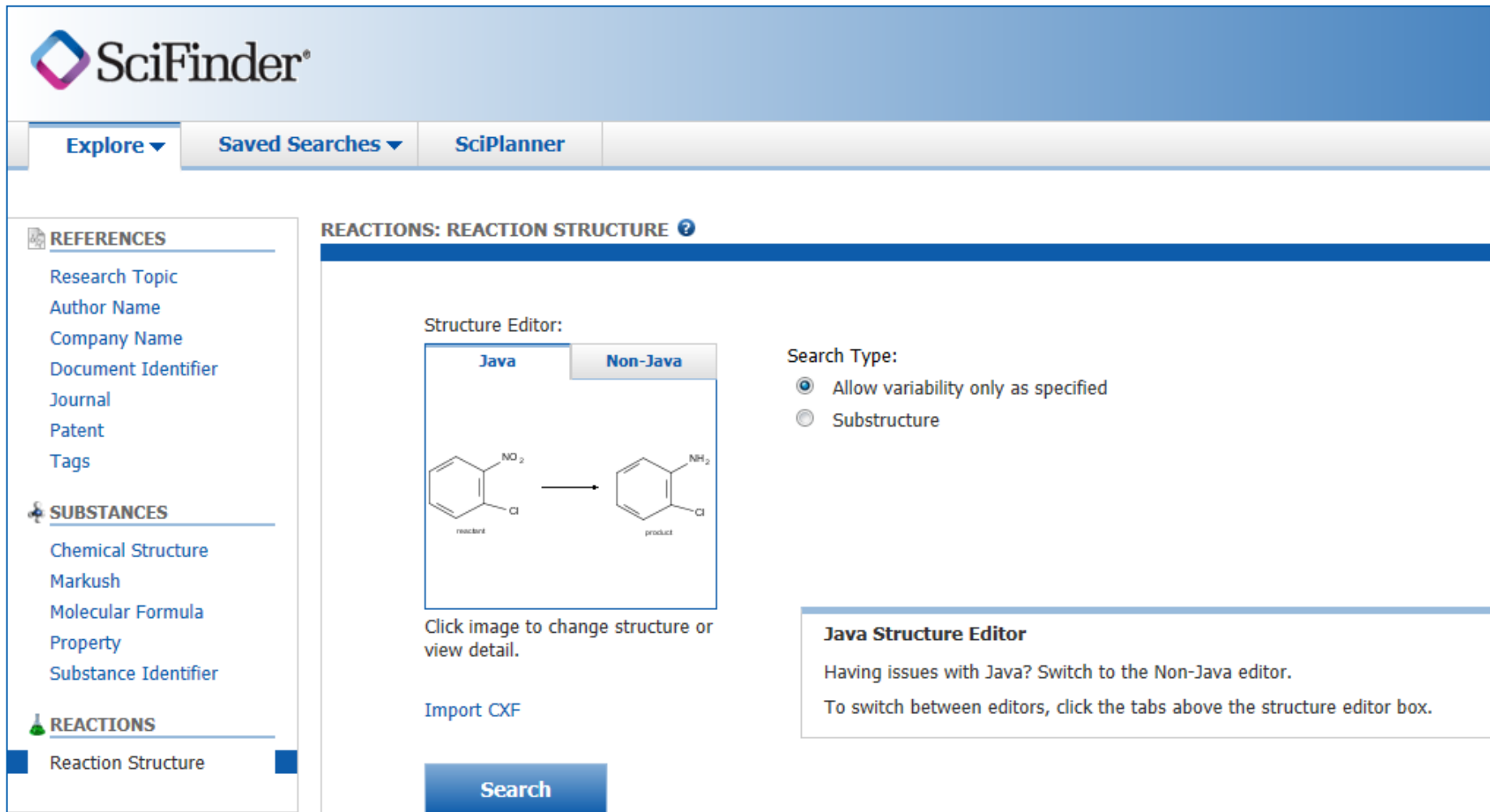
C H O S N P Cl Br F I Si

Scale 100

**Allow variability only as specified:** 仅在特定位点发生变化

**Substructure:** 亚结构检索，允许有更多取代情况

# 反应检索界面



**SciFinder<sup>®</sup>**

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

**REACTIONS: REACTION STRUCTURE ?**

Structure Editor:

Java Non-Java

reactant → product

Search Type:

- Allow variability only as specified
- Substructure

Click image to change structure or view detail.

Import CXF

**Java Structure Editor**


Having issues with Java? Switch to the Non-Java editor.

To switch between editors, click the tabs above the structure editor box.

**Search**



# 精确反应检索结果



[Preferences](#) | [SciFinder Help](#) | [Sign Out](#)

Welcome Tony Liu

Explore ▾
Saved Searches ▾
SciPlanner
Save
Print
Export

Reaction Structure structure variable only at spe... > **reactions (335)**

**REACTIONS** ?

Get References

Tools ▾

Send to SciPlanner

Analyze **Refine**

Analyze by: ?

Reagent (New) ▾

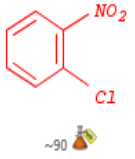
H <sub>2</sub>	196
N <sub>2</sub> H <sub>4</sub> -H <sub>2</sub> O	23
H <sub>2</sub> O	17
NaOH	17
CO	15
KOH	15
Me <sub>2</sub> CHOH	8

Group by: No Grouping ▾ Sort by: Relevance ▾ ↓

0 of 335 Reactions Selected

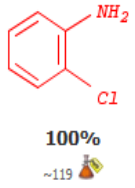
1. **View Reaction Detail** [Link](#) [Similar Reactions](#)

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



~90

→



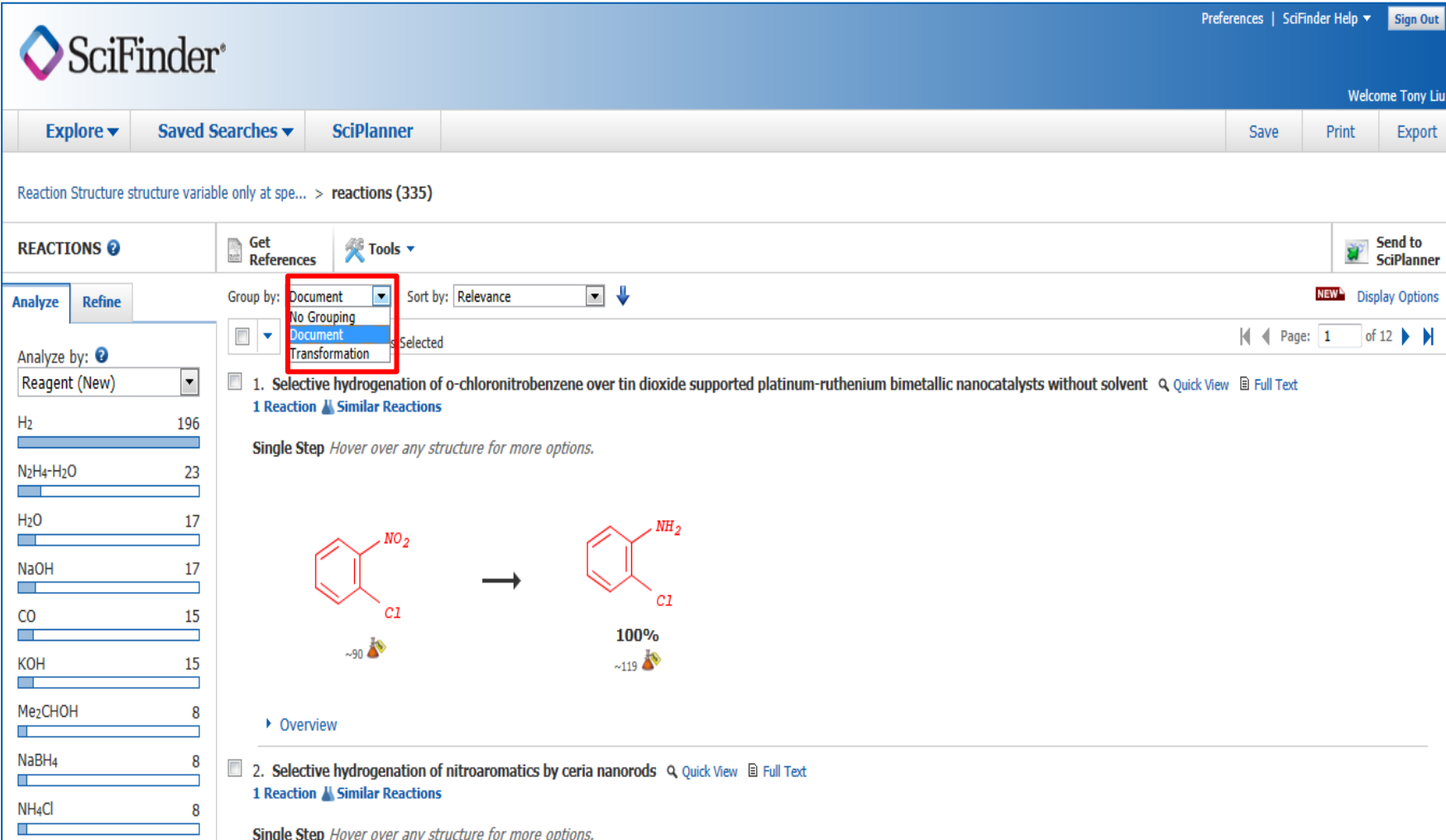
**100%**  
~119

▸ Overview

**NEW** [Display Options](#)

Page: 1 of 14

# Group by Document 按照出处文献分类显示



Reaction Structure structure variable only at spe... > reactions (335)

REACTIONS Get References Tools Send to SciPlanner

Analyze Refine Group by: Document Sort by: Relevance NEW Display Options

Analyze by: Reagent (New)

H <sub>2</sub>	196
N <sub>2</sub> H <sub>4</sub> +H <sub>2</sub> O	23
H <sub>2</sub> O	17
NaOH	17
CO	15
KOH	15
Me <sub>2</sub> CHOH	8
NaBH <sub>4</sub>	8
NH <sub>4</sub> Cl	8

1. Selective hydrogenation of o-chloronitrobenzene over tin dioxide supported platinum-ruthenium bimetallic nanocatalysts without solvent Quick View Full Text

1 Reaction Similar Reactions

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

O=[N+]([O-])c1ccccc1Cl → Nc1ccccc1Cl

~90 100% ~119

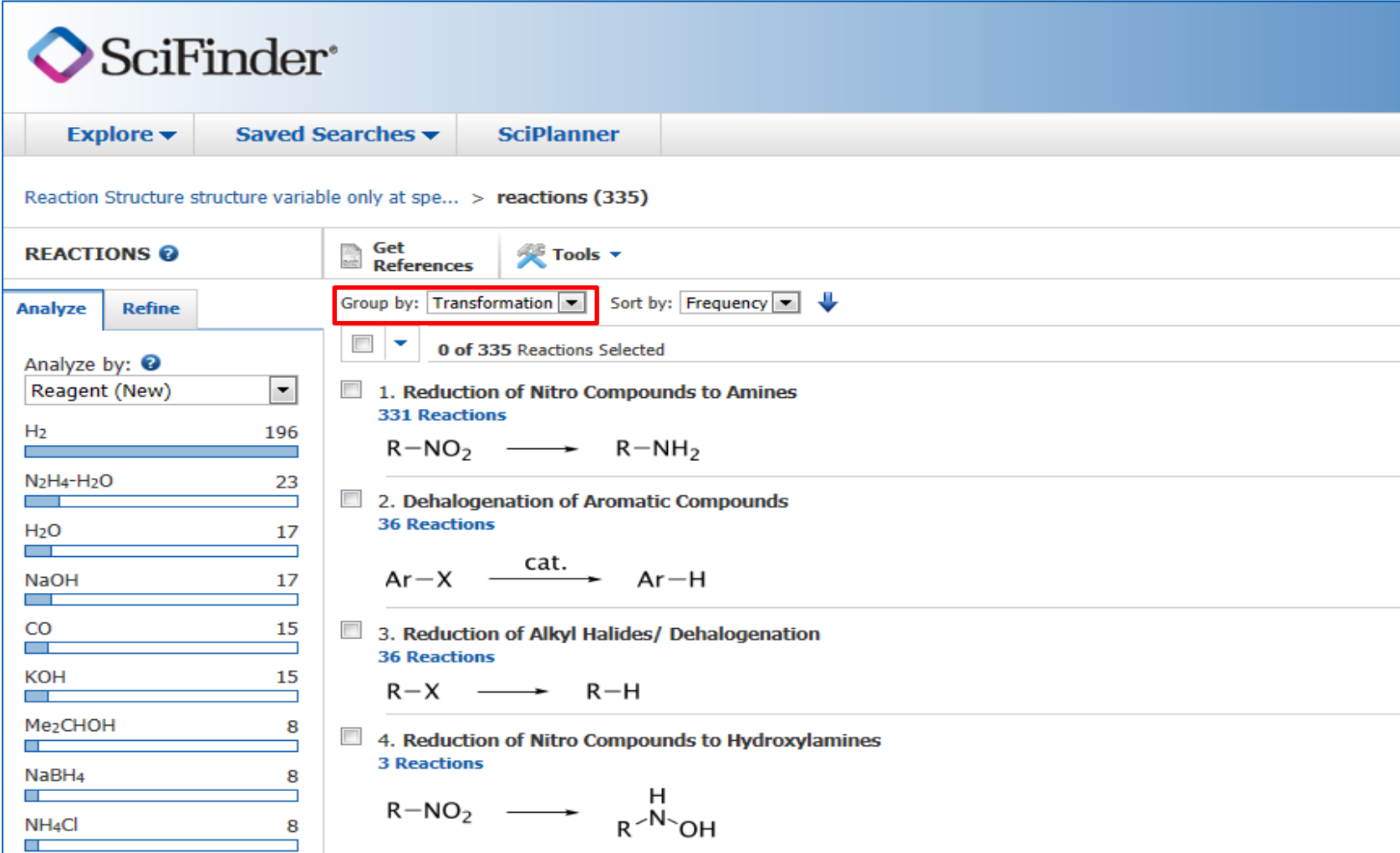
2. Selective hydrogenation of nitroaromatics by ceria nanorods Quick View Full Text

1 Reaction Similar Reactions

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

来自同一篇文章的反应都被整合到一起并集中显示

# Group by Transformation 按照反应类型分类显示



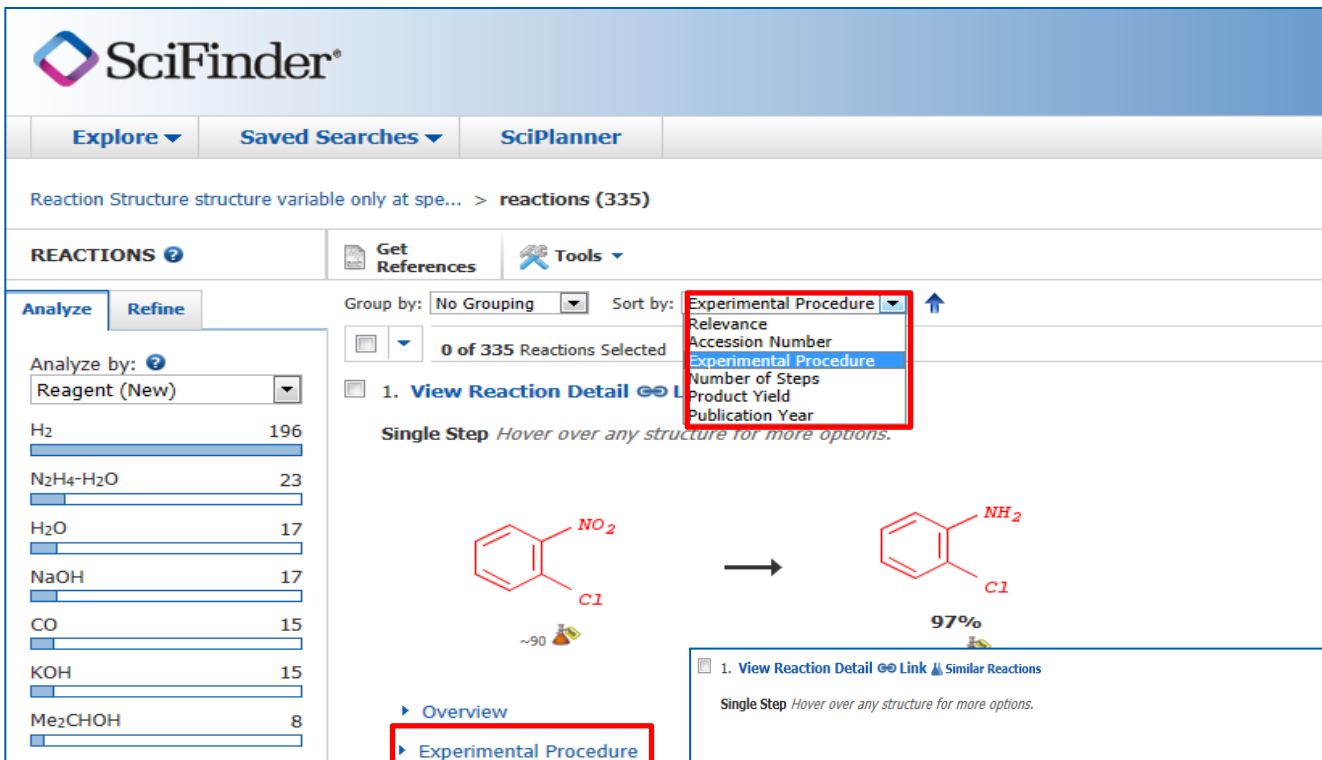
The screenshot shows the SciFinder interface with the following elements:

- Navigation:** Explore, Saved Searches, SciPlanner.
- Path:** Reaction Structure structure variable only at spe... > reactions (335)
- Tools:** Get References, Tools.
- Grouping:** Group by: Transformation (highlighted in a red box), Sort by: Frequency.
- Analysis:** Analyze by: Reagent (New). A list of reagents with their counts:
 

H <sub>2</sub>	196
N <sub>2</sub> H <sub>4</sub> -H <sub>2</sub> O	23
H <sub>2</sub> O	17
NaOH	17
CO	15
KOH	15
Me <sub>2</sub> CHOH	8
NaBH <sub>4</sub>	8
NH <sub>4</sub> Cl	8
- Reaction Groups:**
  - 1. Reduction of Nitro Compounds to Amines** (331 Reactions):  $R-NO_2 \longrightarrow R-NH_2$
  - 2. Dehalogenation of Aromatic Compounds** (36 Reactions):  $Ar-X \xrightarrow{cat.} Ar-H$
  - 3. Reduction of Alkyl Halides/ Dehalogenation** (36 Reactions):  $R-X \longrightarrow R-H$
  - 4. Reduction of Nitro Compounds to Hydroxylamines** (3 Reactions):  $R-NO_2 \longrightarrow R-\overset{H}{N}-OH$

同一类反应被整合到一起并以通式结构集中显示；  
 仅适用于单步反应，未被分类的反应显示在结果集最后

# 获得有实验步骤的反应结果集



Reaction Structure structure variable only at spe... > reactions (335)

REACTIONS [Get References](#) [Tools](#)

Group by: No Grouping Sort by: **Experimental Procedure**

0 of 335 Reactions Selected

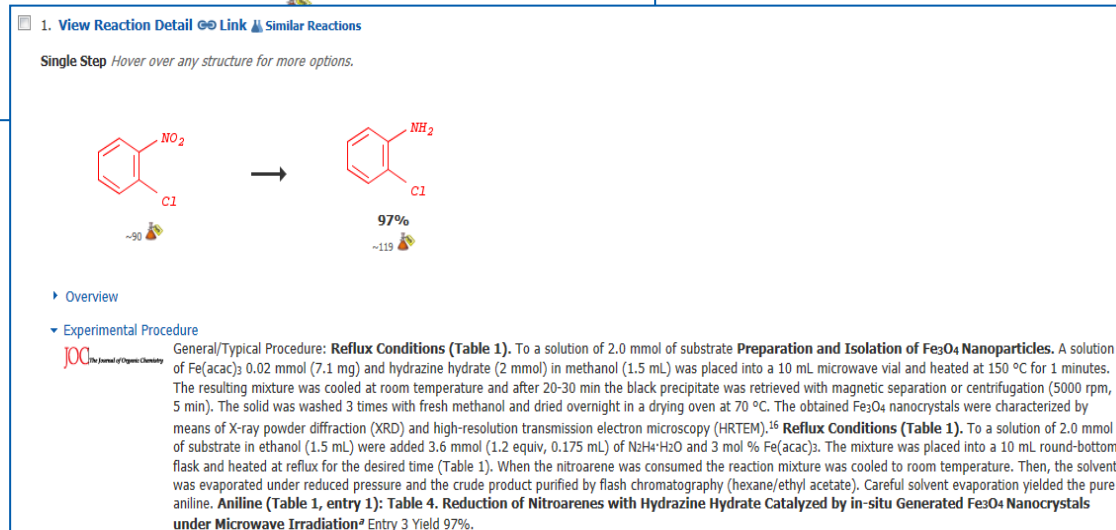
1. [View Reaction Detail](#)

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

Analyze by: [Reagent \(New\)](#)

H <sub>2</sub>	196
N <sub>2</sub> H <sub>4</sub> ·H <sub>2</sub> O	23
H <sub>2</sub> O	17
NaOH	17
CO	15
KOH	15
Me <sub>2</sub> CHOH	8

Overview  
**Experimental Procedure**



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

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

Overview

Experimental Procedure

**JOC** The Journal of Organic Chemistry

General/Typical Procedure: **Reflux Conditions (Table 1)**. To a solution of 2.0 mmol of substrate **Preparation and Isolation of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles**. A solution of Fe(acac)<sub>3</sub> (0.02 mmol (7.1 mg) and hydrazine hydrate (2 mmol) in methanol (1.5 mL) was placed into a 10 mL microwave vial and heated at 150 °C for 1 minutes. The resulting mixture was cooled at room temperature and after 20-30 min the black precipitate was retrieved with magnetic separation or centrifugation (5000 rpm, 5 min). The solid was washed 3 times with fresh methanol and dried overnight in a drying oven at 70 °C. The obtained Fe<sub>3</sub>O<sub>4</sub> nanocrystals were characterized by means of X-ray powder diffraction (XRD) and high-resolution transmission electron microscopy (HRTEM).<sup>16</sup> **Reflux Conditions (Table 1)**. To a solution of 2.0 mmol of substrate in ethanol (1.5 mL) were added 3.6 mmol (1.2 equiv, 0.175 mL) of N<sub>2</sub>H<sub>4</sub>·H<sub>2</sub>O and 3 mol % Fe(acac)<sub>3</sub>. The mixture was placed into a 10 mL round-bottom flask and heated at reflux for the desired time (Table 1). When the nitroarene was consumed the reaction mixture was cooled to room temperature. Then, the solvent was evaporated under reduced pressure and the crude product purified by flash chromatography (hexane/ethyl acetate). Careful solvent evaporation yielded the pure aniline. **Aniline (Table 1, entry 1): Table 4. Reduction of Nitroarenes with Hydrazine Hydrate Catalyzed by in-situ Generated Fe<sub>3</sub>O<sub>4</sub> Nanocrystals under Microwave Irradiation**<sup>2</sup> Entry 3 Yield 97%.

# 反应结果集的分析限定工具

Analyze Refine

Analyze by: ?

Reagent (New) ▼

- Author Name
- Catalyst
- Company-Organization
- Complete Iterations
- Document Type
- Experimental Procedure
- Journal Name
- Language
- Number of Steps
- Product Yield
- Publication Year
- Reagent (New)
- Solvent

C <sub>2</sub> H <sub>6</sub>	5
CH <sub>4</sub>	4
ClCH <sub>2</sub> CH <sub>2</sub> Cl	4
Na	4

Show More

反应分析类型:

作者姓名	出版语言
催化剂	出版年代
机构名称	反应步数
文献类型	产率
期刊名称	试剂
实验步骤	溶剂

反应的限定功能:

- 反应式
- 产率
- 反应步数
- 反应类型
- 排除的反应类型
- 不参与反应的基团

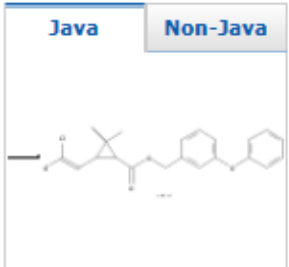
Analyze Refine

Refine by: ?

- Reaction Structure
- Product Yield
- Number of Steps
- Reaction Classification
- Excluding Reaction Classification
- Non-participating functional groups

Structure Editor:

Java Non-Java



Click image to change structure or view detail.

Search type: **Allow variability only as specified**

Refine

# 提纲

- 介绍
  - SciFinder Web中的内容
- **SciFinder Web中的检索和后处理**
  - SciFinder Web中的文献记录及主题检索
  - SciFinder Web中的物质结果及物质检索方法
  - SciFinder Web中的反应记录及反应检索
- **SciFinder Web的注册和常见问题**

# SciFinder Web的注册和登陆

SciFinder Web的系统要求

Windows用户支持IE 9. x或者FireFox 2. x

Mac 用户支持 Firefox 和 Safari

Java 安装（初次使用结构时自动安装，建议安装Java 7）



在图书馆相关页面上找到SciFinder Web注册用的网址



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Jilin University Library

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  主题
  ISBN/ISSN

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- 馆容馆貌
- 馆员园地
- 综治防火



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PNAS	美国国家科学院院刊	说明
ProQuest - Health & Medical Complete	ProQuest保健、医学与药学数据库	说明
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ProQuest检索平台	ProQuest检索平台（包含ABI/PHMC/美国报纸全文库等）	说明
PubMed	美国国立医学图书馆国家生物技术信息中心开发研制的基于Web的网上医学文献检索系统	说明
RSC - Royal Society of Chemistry	英国皇家化学学会RSC电子期刊	说明
SAE	美国汽车工程师协会电子期刊	说明
SAGE 过刊全文数据库	SAGE出版的381种学术期刊回溯全文，收录期刊的第1卷第1期至1998年	说明
Science Online	科学在线	说明
SciFinder Scholar	CA化学文摘	说明
SIAM	美国工业和应用数学学会电子期刊 - Locus过刊全文数据库	说明
SpecialSciDBS国道外文专题数据库	外文国外专题数据库（全文、综合性数据库）	说明
Springer-Link	Springer 出版社电子期刊	说明
Taylor & Francis	Taylor & Francis 电子期刊	说明

# 图书管的介绍页面

## SciFinder Scholar

引进状态: 已引进

更新日期: 2013-3-5

年限范围:

文献类型: 全文数据库

学科分类: 数学/物理/化学

### 访问入口

#### 1、新用户账号注册入口:

[SciFinder网络版入口](#) (适用于WIN7, 7个并发用户, [注册方法](#) [SciFinder Web新功能](#))

#### 2、已有账号用户访问入口:

<http://scifinder.cas.org>

<https://origin-scifinder.cas.org>

附: [SciFinder离线结构编辑器使用说明.doc](#) [SciFinder离线结构编辑器下载](#)

**客户端版SciFinder目前已经停止服务!**

请使用客户端版的读者按说明改用网络版。

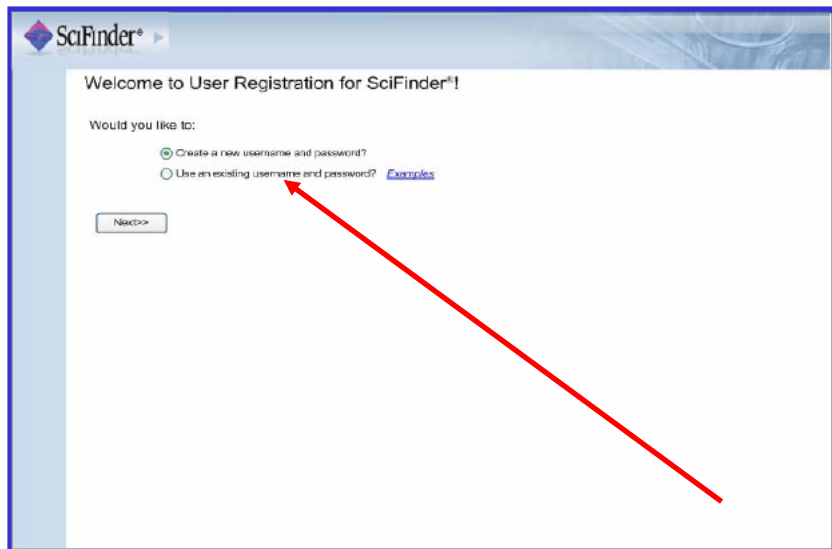
**简要介绍:** SciFinder是关于化学及相关学科(包括生物医学、工程、材料、农业等)研究的重要信息来源。用户通过 SciFinder 可以同时检索美国化学文摘社(CAS)的多个数据库和MEDLINE数据库。SciFinder 提供多种检索途径和有效分析工具。

### SciFinder Scholar可检索数据库介绍:

#### 1. CAPLUS

目前有化学及相关学科文献记录2千7百多万条, 包括1907年以来的源自1万多种期刊论文(以及4万多篇1907年之前的回溯论文)、

# 点击URL创建SciFinder Web账号



Welcome to User Registration for SciFinder!

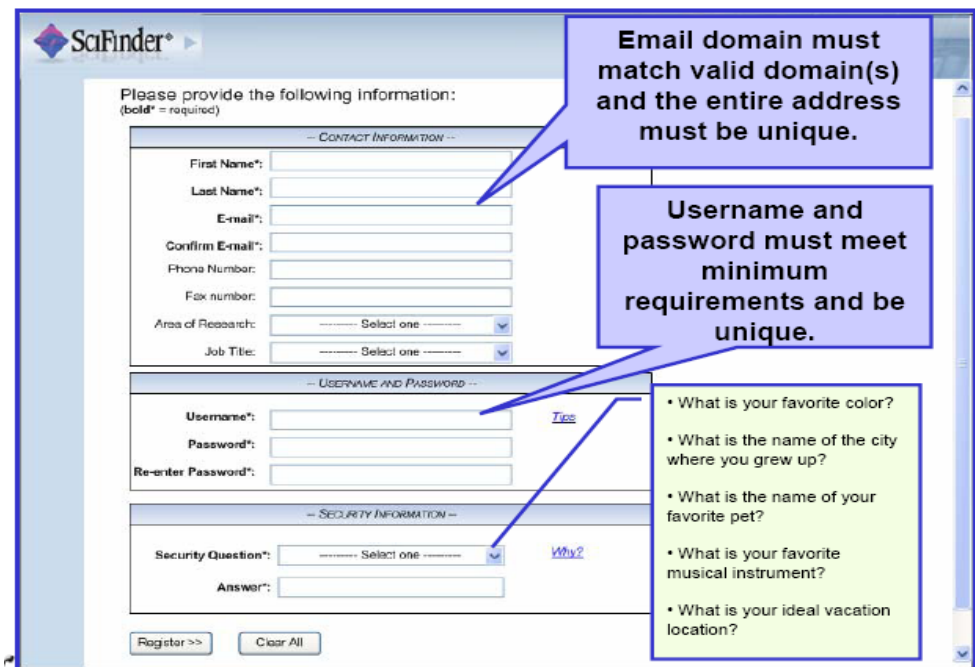
Would you like to:

Create a new username and password?

Use an existing username and password? [Examples](#)

请用邮箱注册，一人只能注册一个账号

开始创建SciFinder Web帐号



Please provide the following information:  
(bold\* = required)

--- CONTACT INFORMATION ---

First Name\*:

Last Name\*:

E-mail\*:

Confirm E-mail\*:

Phone Number:

Fax number:

Area of Research:  Select one

Job Title:  Select one

--- USERNAME AND PASSWORD ---

Username\*:  [Tips](#)

Password\*:

Re-enter Password\*:

--- SECURITY INFORMATION ---

Security Question\*:  Select one [Why?](#)

Answer\*:

**Email domain must match valid domain(s) and the entire address must be unique.**

**Username and password must meet minimum requirements and be unique.**

- What is your favorite color?
- What is the name of the city where you grew up?
- What is the name of your favorite pet?
- What is your favorite musical instrument?
- What is your ideal vacation location?

# 设置用户名及密码注意事项

## 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)

## 密码：

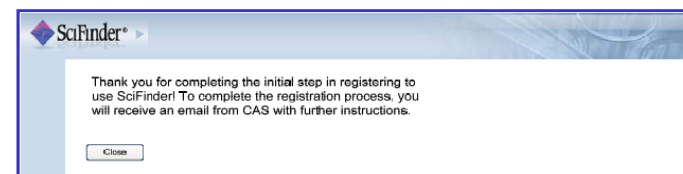
必须包含 7-15 个字符，并且至少包含三个以下字符：

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

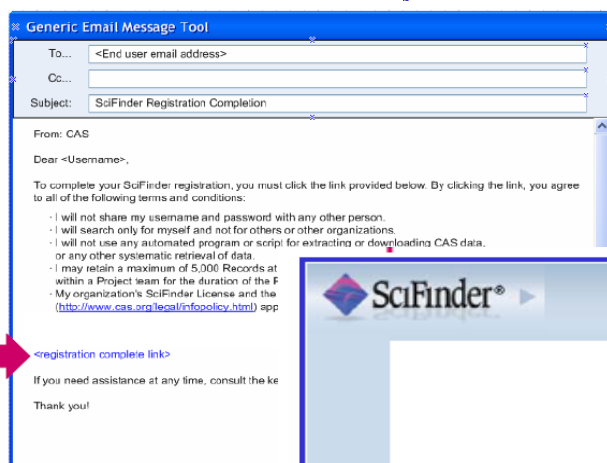
### 密码设置小技巧：

- 1：不要和账号中有重复的字符
- 2：密码格式最好是abc@123

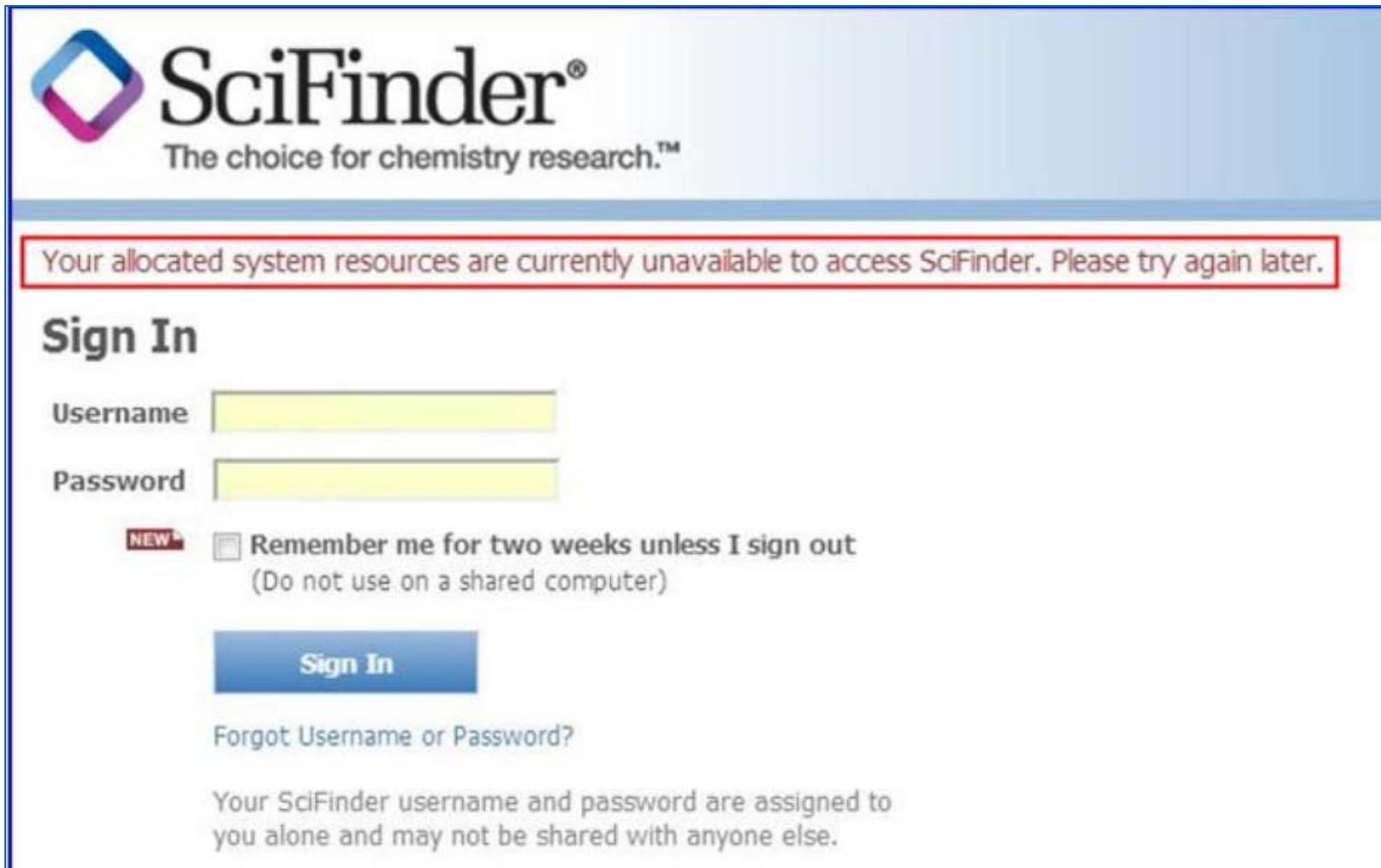
# 对新ID的Email确认




48小时内，需要点击邮件中的确认链接



## SciFinder Web 常见问题



 SciFinder®  
The choice for chemistry research.™

Your allocated system resources are currently unavailable to access SciFinder. Please try again later.

### Sign In

Username

Password

**NEW**  Remember me for two weeks unless I sign out  
(Do not use on a shared computer)

**Sign In**

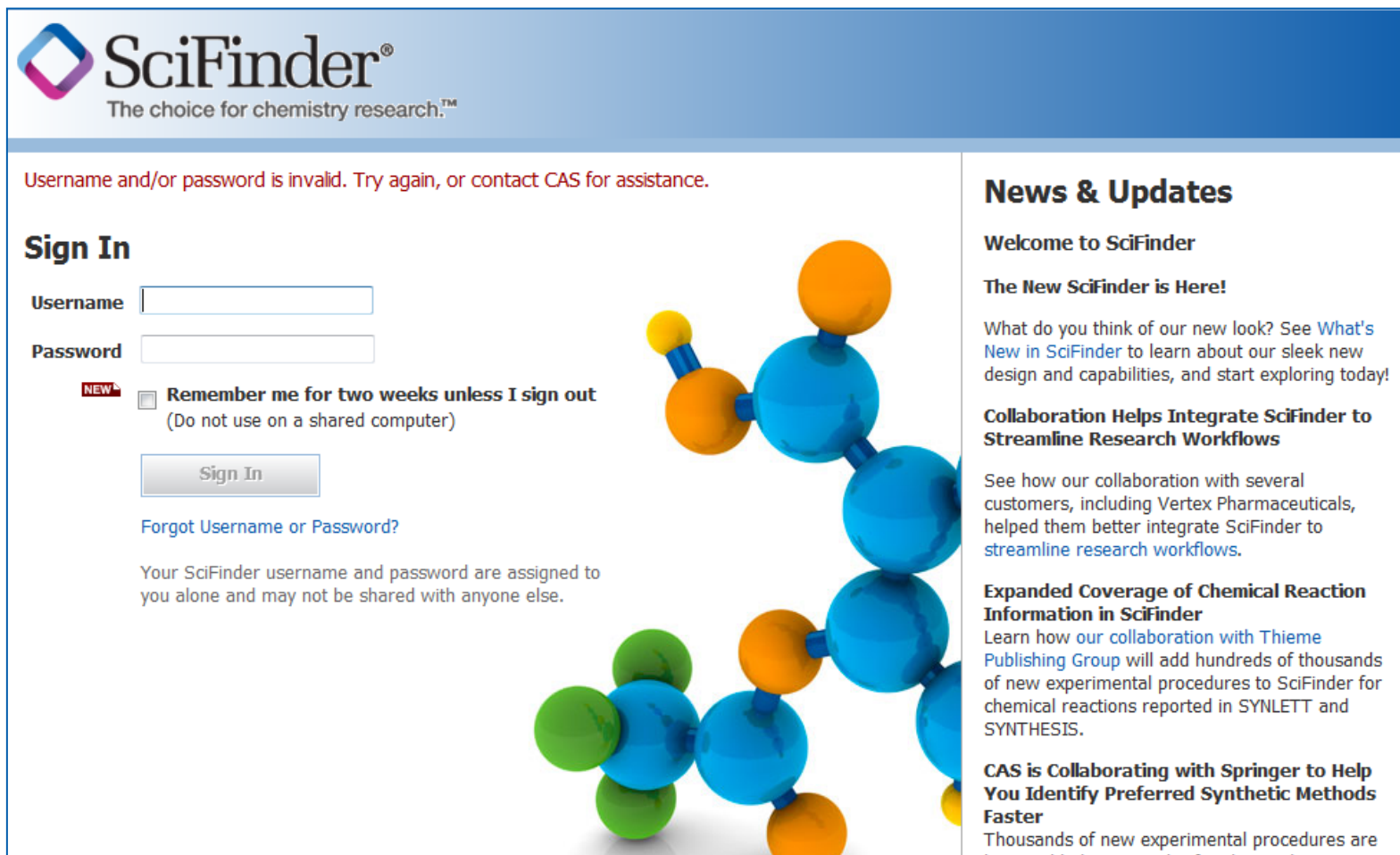
[Forgot Username or Password?](#)

Your SciFinder username and password are assigned to you alone and may not be shared with anyone else.

并发用户数已满，请稍后再试



# SciFinder Web 常见问题



SciFinder®  
The choice for chemistry research.™

Username and/or password is invalid. Try again, or contact CAS for assistance.

## Sign In

Username

Password

**NEW**  Remember me for two weeks unless I sign out  
(Do not use on a shared computer)

[Forgot Username or Password?](#)

Your SciFinder username and password are assigned to you alone and may not be shared with anyone else.

## News & Updates

### Welcome to SciFinder

#### The New SciFinder is Here!

What do you think of our new look? See [What's New in SciFinder](#) to learn about our sleek new design and capabilities, and start exploring today!

#### Collaboration Helps Integrate SciFinder to Streamline Research Workflows


See how our collaboration with several customers, including Vertex Pharmaceuticals, helped them better integrate SciFinder to streamline research workflows.

#### Expanded Coverage of Chemical Reaction Information in SciFinder

Learn how our collaboration with Thieme Publishing Group will add hundreds of thousands of new experimental procedures to SciFinder for chemical reactions reported in SYNLETT and SYNTHESIS.

#### CAS is Collaborating with Springer to Help You Identify Preferred Synthetic Methods Faster

Thousands of new experimental procedures are being added to SciFinder for chemical reactions



账号或密码错误，请在username处填写，截图，并与图书馆联系



# SciFinder Web 常见问题

任何需要反馈给图书馆的问题，都请点击测试IP地址的链接

<http://www.cas.org/cgi-bin/casip>



Your IP address comes across to CAS as: 210.32.9.45

将页面截图下来，一并发给图书馆

# SciFinder Web网络在线资源平台

www.igroup.com.cn/cas



The screenshot shows the SciFinder website interface. At the top left is the CAS logo with the text "A division of the American Chemical Society". To the right is a molecular structure graphic. Below the header is a navigation menu on the left with the following items: 常见问题, 资源下载, 新闻与公告, 在线演示, 网络培训, 加入我们. The main content area is titled "CAS资源下载" and contains three sections: "SciFinder 快速参考手册 NEW" with a link to "SciFinder 快速参考手册"; "案例研究 NEW" with links to "特鲁瓦达-首个艾滋病预防药物", "纳米材料药物研究", "准晶体", "肝素", "反应定义工具案例", "SciFinder新界面-自修复材料", "N-二甲基亚硝胺NDMA", "case study 没食子酸丙酯", "case study-肉毒毒素", and "转基因食品案例"; and "SciFinder新功能" with links to "生物活性及靶点分析" and "SciFinder R15新功能".

资源下载: PDF文件

在线演示: Flash演示

网络培训: 不定期的网络专题培训

Comprehensive Content

Sophisticated Analysis

Unprecedented Results



*Thank You*

刘衍兰

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