

**Universidad
Complutense de Madrid
18/01/2012**



SciFinder®

**Dra. Míriam Plana
(mplana@cas.org)**

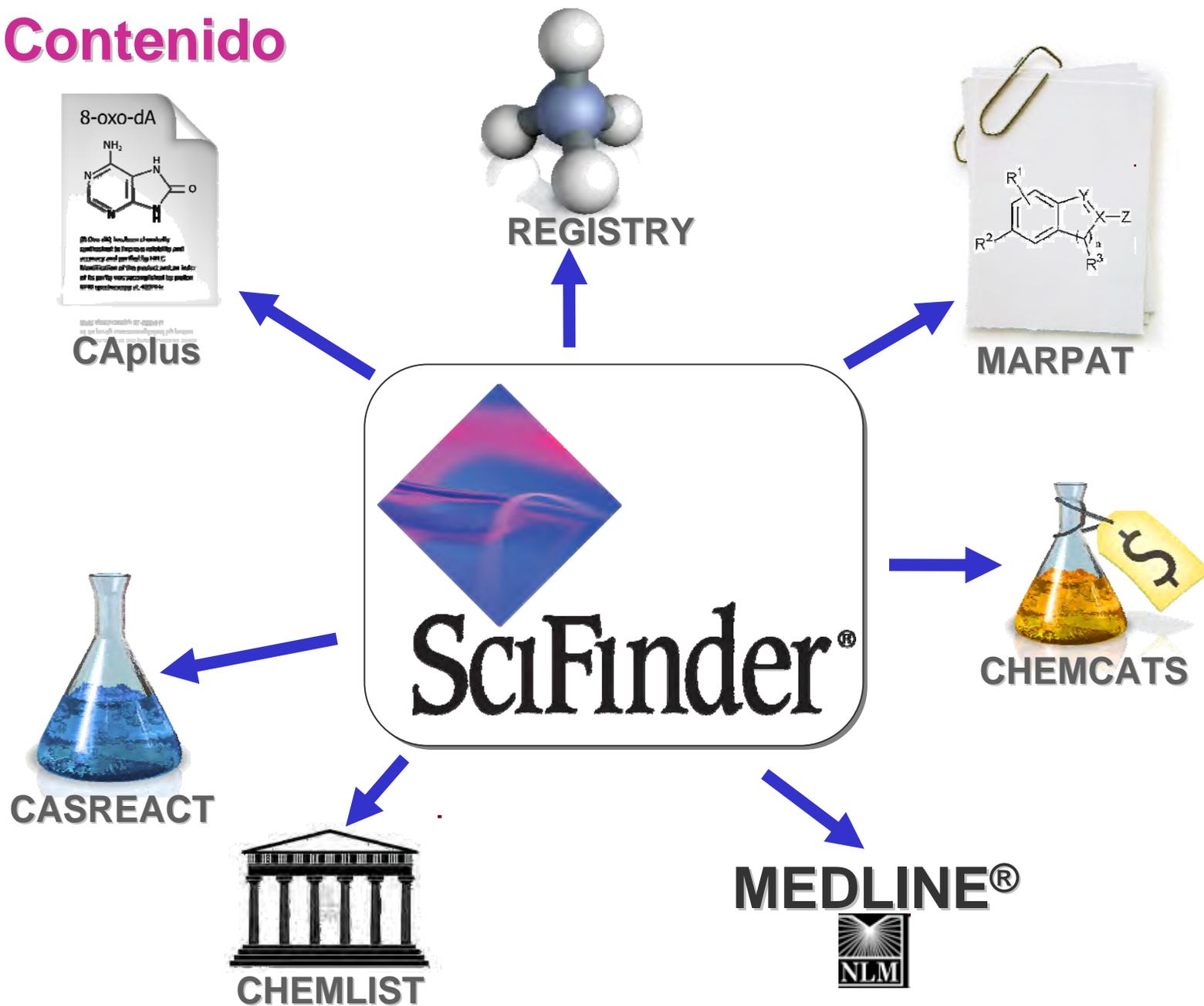
Agenda

- **1. Contenido de SciFinder: bases de datos**
- **2. SciFinder ¡Novedades!**
- **3. Cómo utilizar SciFinder: demostración *on line***
- **4. Ejemplos de búsquedas:**
 - Por tema
 - Por estructura
 - Por reacción
- **5. Cómo aprender más**
 - CAS web page
 - CAS Learning Solutions
- **6. Ayuda y más información**

Agenda

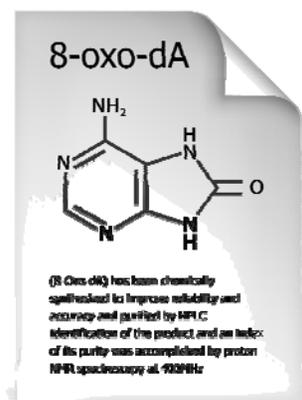
- **1. Contenido de SciFinder: bases de datos**
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1. Contenido



1. Contenido

CAplus



www.sigmaaldrich.com
 1-800-451-7059
 www.sigmaaldrich.com

Búsquedas bibliográficas

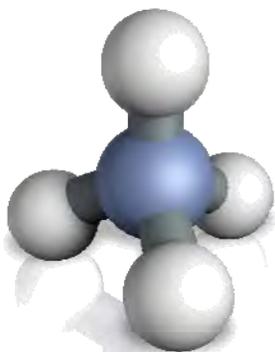
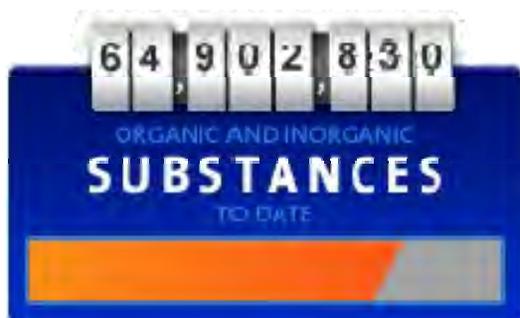
- > 35M referencias
- 1907 – presente
- Patents, journals, libros, conferencias, tesis, etc.
- > 10,000 Journals
- 62 oficinas de patentes, 9 *core offices* (e.g., EPO 2/27 rule)
- Bioquímica
- Química Orgánica
- Química macromolecular
- Química aplicada
- Física, Química inorgánica, Química analítica, etc.
- Biomedicina

¡Se actualiza
diariamente con
4.500 refs !

Base de datos de Referencias

1. Contenido

REGISTRY



Base de datos de sustancias

Búsquedas de sustancias

- > 64M sustancias (in/organicas)
- > 63M secuencias
- 1957 – presente (pero puede incluir sustancias hasta 1900)
- Contiene información relativa a la sustancia:
 - Propiedades
 - Nombre
 - CAS RN...
- Se puede buscar:
 - Por estructura química
 - Por nombre (químico, comercial, etc)
 - Por CAS RN
 - Por fórmula molecular

¡Se actualiza diariamente!

~ 12.000 Sustancias

1. Contenido

CASREACT



Búsqueda de Reacciones

- > 52 M reacciones
- 1840 – presente
- Una o varias etapas
- Reacciones nuevas / optimizadas
- Contiene reacciones Wiley
 - EROS
 - Síntesis orgánica
 - Reacciones orgánicas
- Busque después de dibujar la estructura, completa o sólo el reactivo o el producto.
- Consiga reacciones adicionales de la literatura de SciFinder

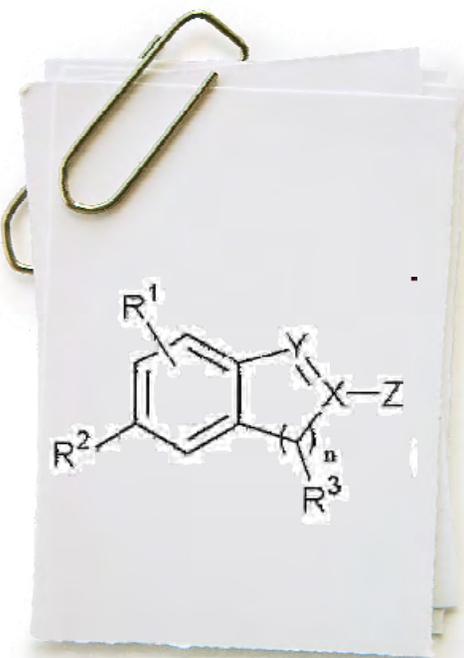
¡Se actualiza semanalmente!

~ 30.000-50.000 Reacciones

Base de datos de Reacciones

1. Contenido

MARPAT



Base de datos de Patentes

Búsqueda de estructuras en MARPAT

- > 830.000 estructuras de Markush
- > 330.000 patentes
- 1961 – presente
- Cobertura: todos los países que están cubiertos por CAS.
- Información INPI incluida 1961-87
- Incluye información sobre:
 - Datos bibliográficos
 - Abstract
 - Indización CAS

**¡Se actualiza
diariamente!**

65-70 patentes

**150-200 estructuras
de Markush**

1. Contenido

CHEMCATS



Base de datos de catálogos y proveedores

Búsqueda proveedores

- > 61M productos
- > 1.222 catálogos
- > 1.100 proveedores
- Información sobre:
 - Precios
 - Datos de contacto
 - Cantidades
 - CAS RN

**¡Se actualiza
semanalmente!**

1. Contenido

CHEMLIST



Búsqueda de información regulatoria

- > 293.000 sustancias
- > 100 *Inventories & Regulated Lists*
- 1979 – presente
- Contiene:
 - Nombres químicos
 - Sinónimos
 - Listas regulatorias
 - Status (Chemical Inventory)

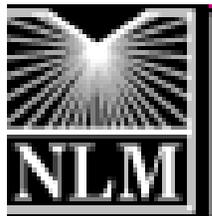
¡Se actualiza una vez por semana!

Base de datos de Química Regulatoria

1. Contenido

MEDLINE

MEDLINE®



Búsqueda de referencias

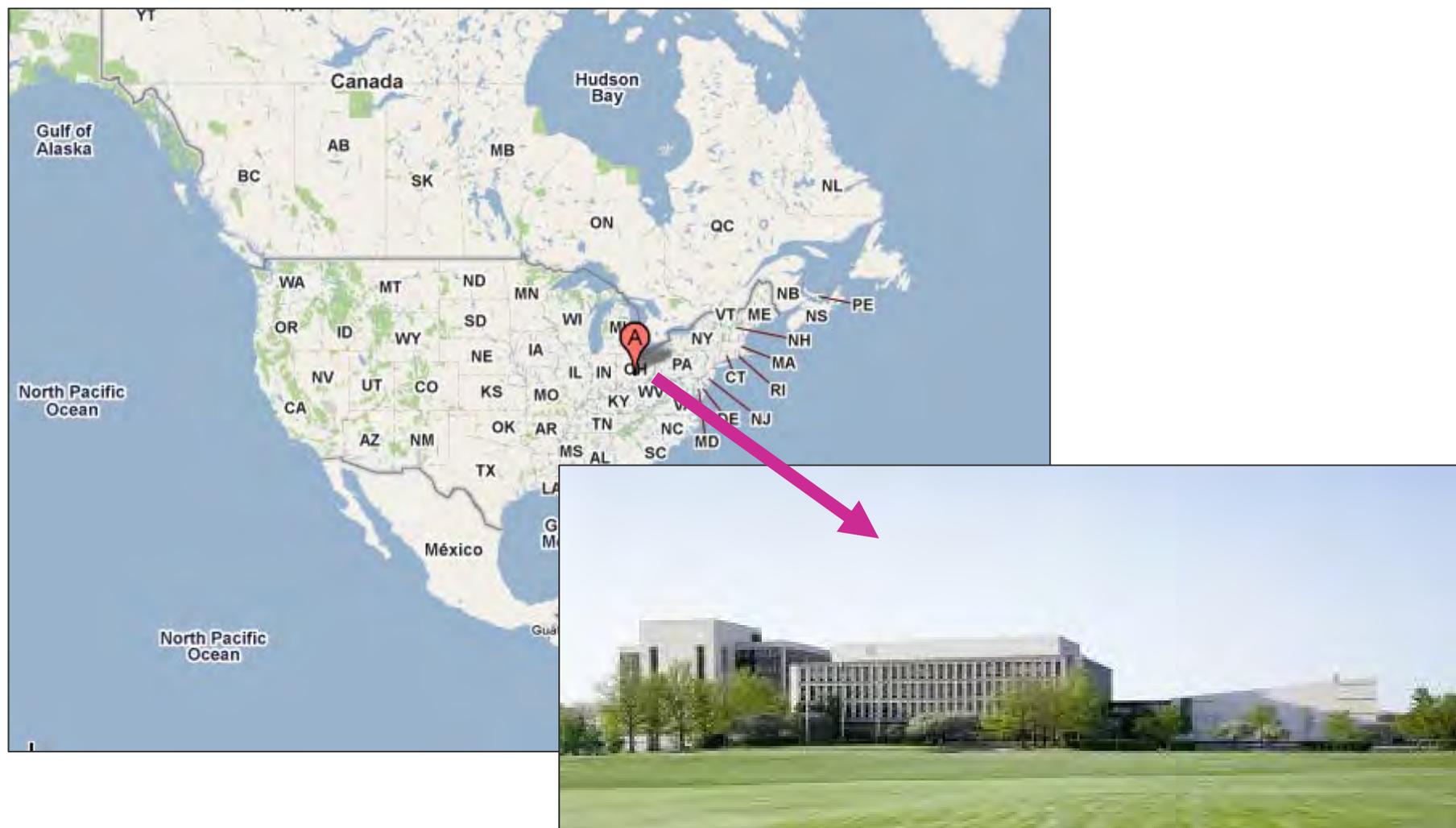
- Cobertura: 1947 -
- > 17M referencias
- > 4.800 Journals biomédicos
- Contiene OLD MEDLINE (1947-1966)

¡Se añaden unas 14.000 referencias a la semana!

Base de datos producida por la NLM

1. Chemical Abstracts Service

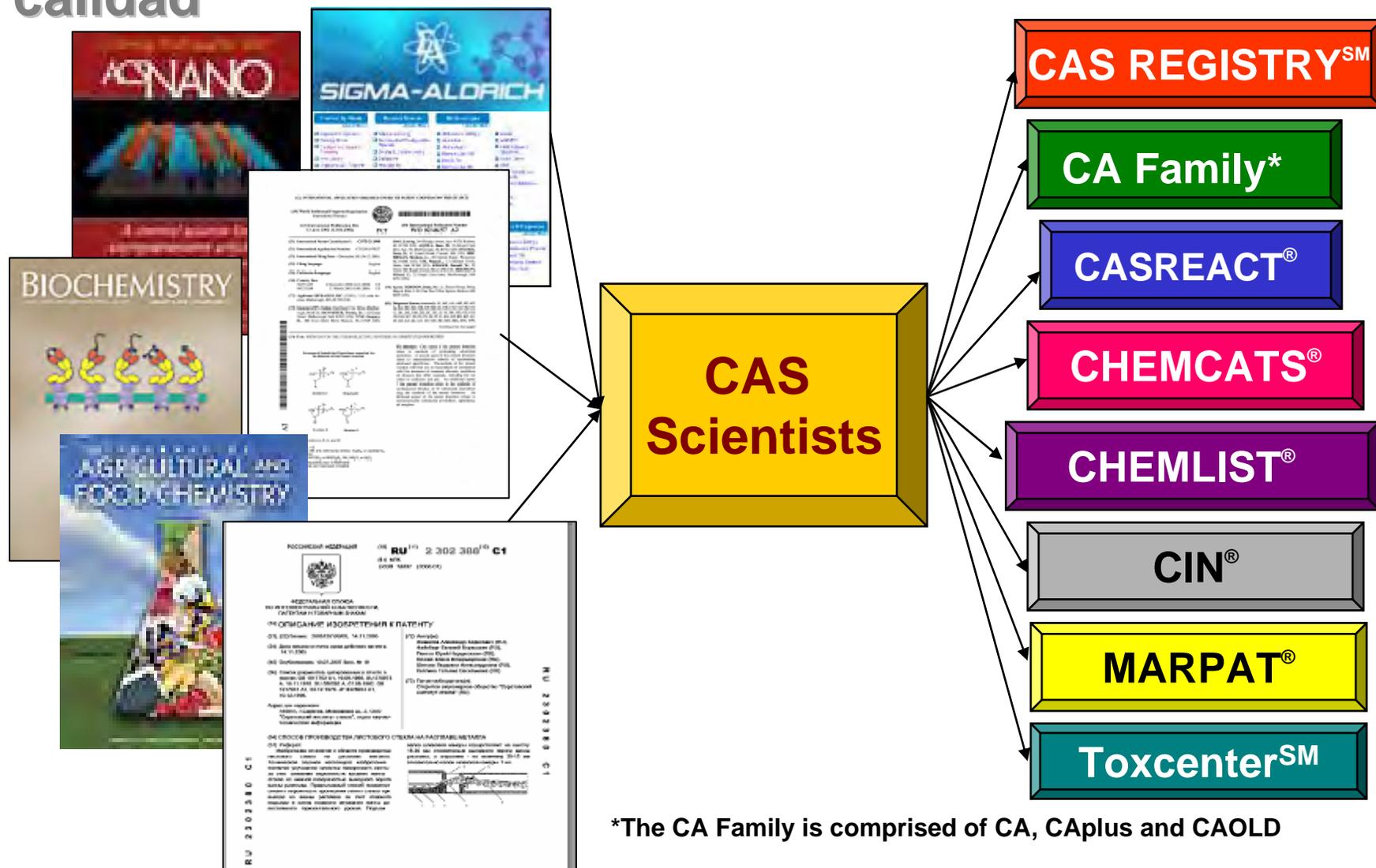
- ¿Dónde está CAS?



CAS editorial: ¡Más de 500 científicos!



CAS editorial: resumen e indizan los contenidos de muchas fuentes produciendo bases de datos de gran calidad



*The CA Family is comprised of CA, CPlus and CAOLD

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2. SciFinder Versión WEB

- **SciFinder Web: ¡Más cómoda y completa!**
- **SciFinder Web: acceso desde el navegador** 
 - No es necesario instalar un software.
 - No es necesario actualizarlo: ¡siempre se accede a la última versión de SciFinder! ¡SciFinder Key Contacts siempre informados!
 - Accesible desde cualquier ordenador (PC y MAC).
 - Seguridad: protocolo *https*.
- **SciFinder Web utiliza una arquitectura XLM con funcionalidades únicas Web 2.0** 
 - Guardar, conectar y combinar búsquedas es muy fácil.
 - Funciones personalizadas, como alertas, Tags y comentarios.
 - Preparado para futuras actualizaciones y nuevas funcionalidades.

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización diciembre 2011):**
 - Bioactividad y *target indicators*: encuentre rápidamente la bioactividad (antibióticos) y los *targets* (alpha-amylase) de una sustancia específica o de un grupo de sustancias



▼ **Bioactivity Indicators** NEW

Anti-infective agents (all) >>> Antibacterial agents
Anti-infective agents (all) >> Antibiotics
Anti-infective agents (all) >> Antimicrobial agents
Anti-inflammatory agents (all) > Anti-inflammatory agents
Anti-inflammatory agents (all) > Nonsteroidal anti-inflammatory drugs
Antidiabetic agents
Antitumor agents (all) > Antitumor agents
Antiulcer agents
Cardiovascular agents (all) > Cardiovascular agents
Cytoprotective agents (all) > Cytoprotective agents
Enzyme inhibitors (all) > Proton pump inhibitors
Gastrointestinal agents (all) > Antacids
Gastrointestinal agents (all) > Gastrointestinal agents
Hematologic agents >> Anticoagulants

References

▼ **Target Indicators** NEW

	References
C-reactive protein	11
Cytokines (all) >>> Interleukin 8	10
Cytokines (all) >>> Interleukin 1 β	10
Cytokines (all) >> Interleukin 8	10
Cytokines (all) >> Tumor necrosis factors	18
DNA-binding proteins (all) >>> Aromatic hydrocarbon receptors	10
DNA-binding proteins (all) >>>> Pregnane X receptors	17
Enzymes (all) >>>> Angiotensin-converting enzyme	29
Enzymes (all) >>>> Adenosine triphosphatase	199
Enzymes (all) >>> Pepsin A	12
Enzymes (all) >> Urease	23
Enzymes (all) >>> Cyclooxygenase 2	49
Enzymes (all) >>> Peroxidase	22
Enzymes (all) >>>> HMG-CoA reductase (NADPH)	23
Enzymes (all) >> Superoxide dismutase	11

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización diciembre 2011):**
 - Nuevas opciones de análisis:



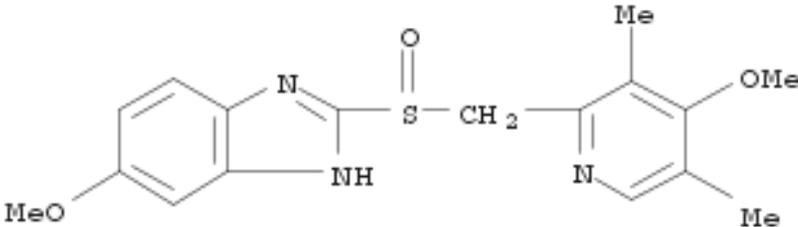
- Ranking de relevancia



2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización diciembre 2011):**
 - Nuevo display:

1. Substance Detail
73590-58-6



C₁₇ H₁₉ N₃ O₃ S
1H-Benzimidazole, 6-methoxy-2-[[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]sulfinyl]-

~5336 

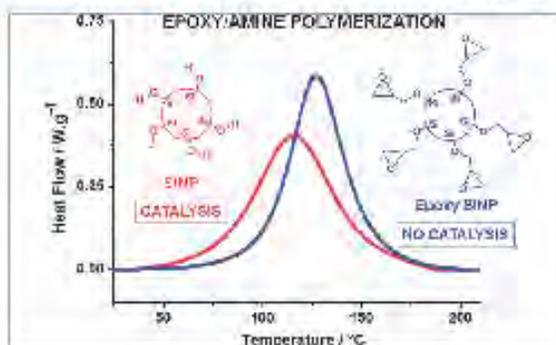



Spectra
Experimental Properties

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización diciembre 2011):**
 - *Reference Displays*: de las publicaciones de la ACS

□ 69. **Epoxy-Amine Based Nanocomposites Reinforced by Silica Nanoparticles. Relationships between Morphologic Aspects, Cure Kinetics, and Thermal Properties** [Full Text](#)



By Alzina, Camille; Sbirrazzuoli, Nicolas; Mija, Alice

From Journal of Physical Chemistry C (2011), 115(46), 22789-22795.

| Language: English, Database: CAPLUS

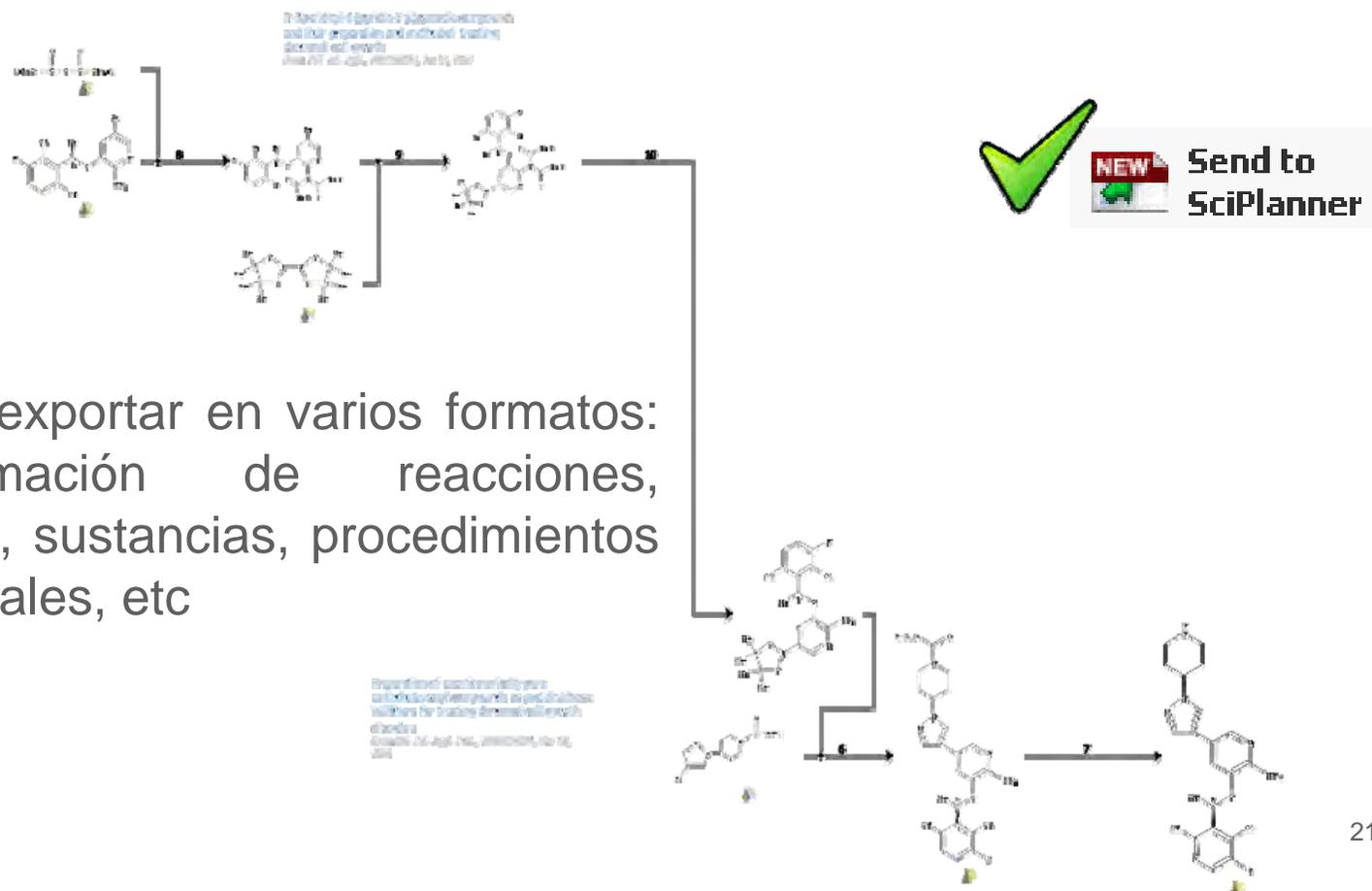
The impact of incorporation of silica nanoparticles in an epoxy/amine (DGEBA/MPDA) system was studied. Naked silica nanoparticles (SiNP) were synthesized via a **sol-gel technique**. To evaluate the interfacial effect on properties of nanocomposites, the surface of the nanoparticles was modified by substituting silanol groups into epoxide functions (SiNPEp). A new method was elaborated for obtaining different org-inorg. nanocomposites with a very good dispersion without any aggregation according to transmission electron

microscopy (TEM) analyses. The influence of the different silica nanopart...



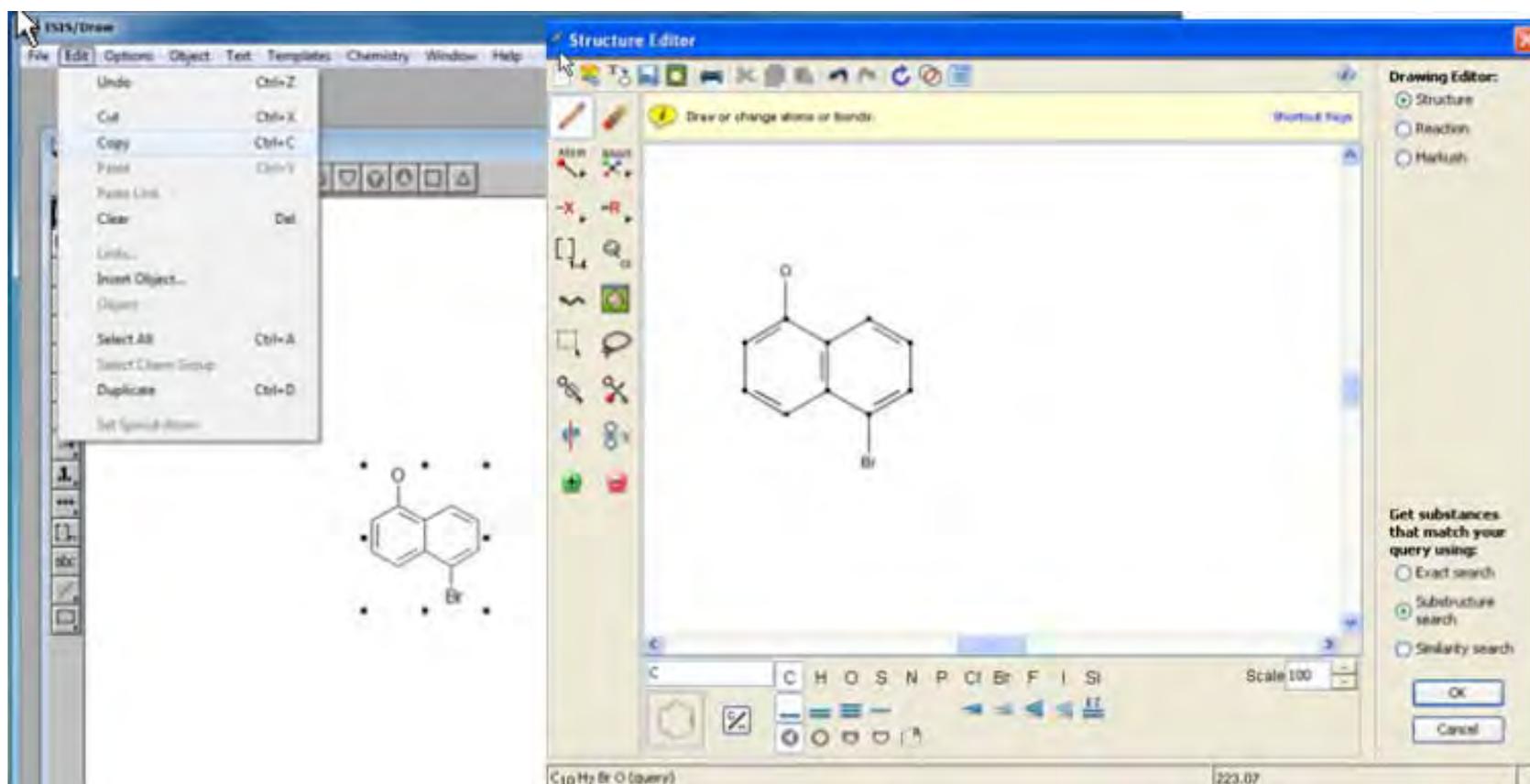
2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización abril 2011):**
 - SciPlanner: permite diseñar, organizar y trabajar con tus propias rutas sintéticas.



2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización abril 2011):**
 - *Copy and Paste* desde ISIS/Draw: directamente al editor de estructuras de SciFinder.



2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización abril 2011):**

- Citas en Medline

8. **Biosynthesis** and processing of **platelet GPIIb-IIIa** in human megakaryocytes

Duperray A; Berthier R; Chagnon E; Ryckewaert J J; Ginsberg M; Plow E; Marguerie G

Platelet membrane glycoprotein IIb-IIIa forms a calcium-dependent heterodimer and constitutes the fibrinogen receptor on stimulated **platelets**. **GPIIb** is a two-chain protein containing disulfide-linked alpha and beta subunits. **GPIIIa** is a single chain protein. These proteins are synthesized in the bone marrow by megakaryocytes, but the study of their synthesis has been hampered by the difficulty in obtaining enriched population of megakaryocytes in large numbers. To examine the **biosynthesis** and processing of **GPIIb-IIIa**, purified human megakaryocytes were isolated from liquid cultures of cryopreserved leukocytes stem cell concentrates from patients with chronic myelogenous leukemia. Immunoprecipitation of [³⁵S]methionine pulse-chase-labeled cell extracts by antibodies specific for the alpha or beta subunits of **GPIIb** indicated that **GPIIb** was derived from a precursor of Mr 130,000 that contains the alpha and beta subunits. This precursor was converted to **GPIIb** with a half-life of 4-5 h. No precursor form of **GPIIIa** was detected. The glycosylation of **GPIIb-IIIa** was examined in megakaryocytes by metabolic labeling in the presence of tunicamycin, monensin, or treatment with endoglycosidase H. The polypeptide backbones of the **GPIIb** and the **GPIIIa** have molecular masses of 120 and 90 kD, respectively. High-mannose oligosaccharides are added to these polypeptide backbones co-translationally. The **GPIIb** precursor is then processed with conversion of high-mannose to complex type carbohydrates yielding the mature subunits **GPIIb** alpha (Mr 116,000) and **GPIIb** beta (Mr 25,000). No posttranslational processing of **GPIIIa** was detected.

Indexing

Concepts

Substances

Citations

- 1) Aviv, H; Proc Natl Acad Sci U S A 1972, 69, 1408
- 2) Berthier, R; Exp Hematol 1982, 10, 578
- 3) Bray, P F; Proc Natl Acad Sci U S A 1986, 83, 1480
- 4) Burns, G F; Cell 1986, 45, 269
- 5) Cosgrove, L J; Proc Natl Acad Sci U S A 1986, 83, 752
- 6) Fitzgerald, L A; J Biol Chem 1985, 260, 10893
- 7) Ginsberg, M H; J Clin Invest 1986, 78, 1103
- 8) Goldberger, G; J Biol Chem 1984, 259, 6492
- 9) Jenkins, R B; Blood 1986, 67, 682
- 10) Jennings, L K; J Biol Chem 1982, 257, 10458
- 11) Kahn, A; Eur J Biochem 1981, 116, 7
- 12) Laemmli, U K; Nature 1970, 227, 680
- 13) Marguerie, G A; J Biol Chem 1979, 254, 5357
- 14) Marguerie, G A; Biochemistry 1981, 20, 1074
- 15) McGregor, J L; Eur J Biochem 1983, 131, 427
- 16) Phillips, D R; J Biol Chem 1977, 252, 2121
- 17) Plow, E F; J Biol Chem 1981, 256, 9477
- 18) Pytela, R; Cell 1985, 40, 191
- 19) Pytela, R; Proc Natl Acad Sci U S A 1985, 82, 5766
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- 21) Ronnett, G V; J Biol Chem 1984, 259, 4566
- 22) Ruggeri, Z M; Proc Natl Acad Sci U S A 1982, 79, 6038
- 23) Shadle, P J; J Cell Biol 1984, 99, 2056
- 24) Strous, G J; Cell 1980, 22, 709
- 25) Tarentino, A L; J Biol Chem 1974, 249, 811
- 26) Tartakoff, A M; Cell 1983, 32, 1026
- 27) Tkacz, J S; Biochem Biophys Res Commun 1975, 65, 248
- 28) Vinci, G; Br J Haematol 1984, 56, 589
- 29) Williams, N; Br J Haematol 1982, 52, 173

**Más contenido (¡y nuevo!)
además de ofrecer la posibilidad
de expandir nuestra búsqueda a
través de las citas**



2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualización abril 2011):**
 - *Sort by:* es posible ordenar el set de referencias por nº de citas

References

474 References 0 Selected Save Print Export

Select All Deselect All | Sort by: Citing References (New) ↓ Answers per Page [20] 1 2 3 4 5 6 ... 24

Display:

1. **Bone marrow cells adopt the phenotype of other cells by spontaneous cell fusion**
 By Terada, Naohiro; Hamazaki, Takashi; Oka, Masahiro; Hoki, Masanori; Mastalerz, Diana M.; Nakano, Yuka; Meyer, Edwin M.; Morel, Laurence; Petersen, Bryon E.; Scott, Edward W.
 From Nature (London, United Kingdom) (2002), 416(6880), 542-545. Language: English, Database: CAPLUS
 Recent studies have demonstrated that transplanted bone marrow **cells** can turn into unexpected lineages including myocytes, hepatocytes, neurons and many others. A potential problem, however, is that reports discussing such 'transdifferentiation' in vivo tend to conclude donor origin of transdifferentiated **cells** on the basis of the existence of donor-specific genes such as γ -chromosome markers. Here we demonstrate that mouse bone marrow **cells** can fuse spontaneously with embryonic **stem cells** in **culture** in vitro that contain interleukin-3. Moreover, spontaneously fused bone marrow **cells** can subsequently adopt the phenotype of the recipient **cells**, which, without detailed genetic anal., might be interpreted as 'dedifferentiation' or transdifferentiation.
~784 Citings

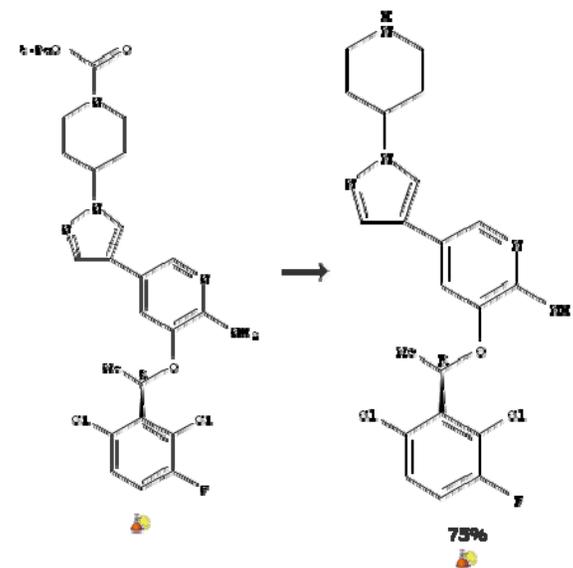
2. **Derivation of pluripotential embryonic stem cells from murine primordial germ cells in culture**
 By Matsui, Yasuhisa; Zsebo, Krisztina; Hogan, Brigid L. M.
 From Cell (Cambridge, MA, United States) (1992), 70(5), 841-7. Language: English, Database: CAPLUS
 Steel factor (SF) and LIF (leukemia inhibitory factor) synergistically promote the proliferation and survival of mouse primordial germ **cells** (PGCs), but only for a limited time period in **culture**. It is shown here that addn. of basic FGF to cultures in the presence of membrane-assocd. SF and LIF enhances the growth of PGCs and allows their continued proliferation beyond the time when they normally stop dividing in vivo. They form colonies of densely packed, alk. phosphatase-pos., stage-specific mouse embryonic antigen-1-pos. **cells** resembling undifferentiated embryonic **stem** (ES) **cells** in morphol. These cultures can be maintained on feeder layers for at least 20 passages, and under appropriate conditions give rise to embryoid bodies and to multiple differentiated cell phenotypes in monolayer **culture** and in tumors in nude mice. PGC-derived ES **cells** can also contribute to chimeras when injected into host blastocysts. The long-term **culture** of PGCs and their reprogramming to pluripotential ES **cells** has important implications for germ cell biol. and the induction of teratocarcinomas.
~436 Citings

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualizaciones anteriores):**

- Procedimientos Experimentales:

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



Experimental Procedure

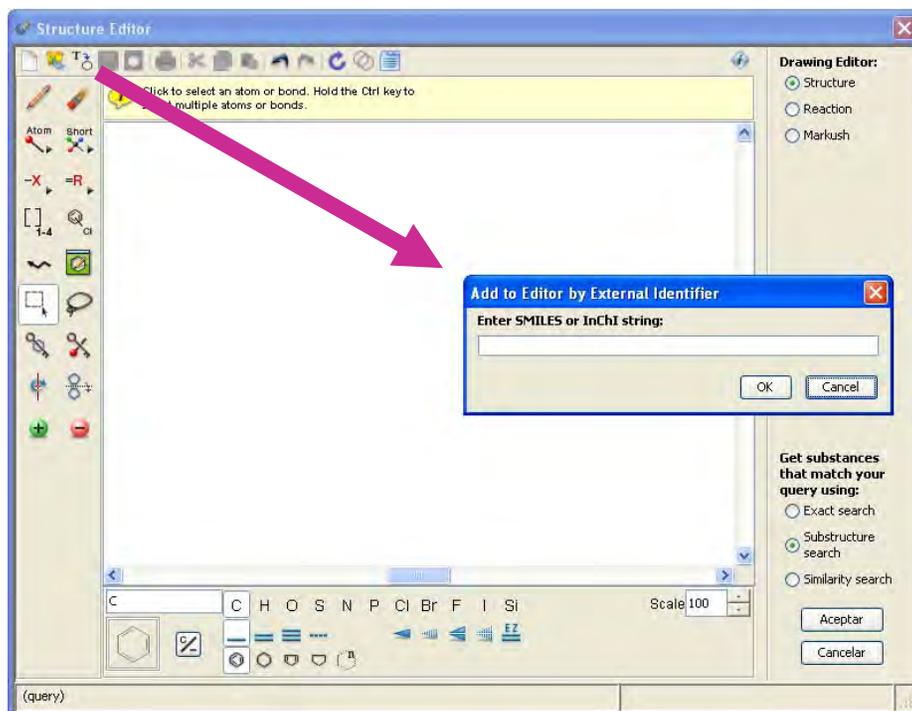
To a solution of 4-(4-(6-amino-5-[(R)-1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl)-pyrazol-1-yl)-piperidine-1-carboxylic acid tert-butyl ester, (11.9 g, 21.45 mmol) in CH_2Cl_2 (59 mL, 0.2M) was added 4N HCl/Dioxane (21 mL). The solution was stirred overnight forming a solid. The solid was crushed thoroughly with a glass rod and sonicated to release starting material trapped in the solid. Additional 4N HCl/Dioxane (21 mL) was added and stirred for another 2 hours at room temperature in which LCMS showed no starting material. The suspension was filtered in a Buchner funnel lined with filter paper. The mother liquor was saved because it contained <5% of product. The solid was transferred to a 500 mL beaker and HPLC water was added until the solid dissolved completely. The pH was adjusted to 10 with the addition of solid Na_2CO_3 . The water solution was extracted with CH_2Cl_2 (5 x 200 mL) or until LCMS showed no product in the aqueous layer. The CH_2Cl_2 solution was dried over Na_2SO_4 and concentrated. The crude product, re-dissolved in CH_2Cl_2 (10 mL) and MeOH (1 mL), was purified on a silica gel column eluting with $\text{CH}_2\text{Cl}_2/\text{MeOH}/\text{NEt}_3$ system (Biotage 40+ Column: equilibrium 600 mL CH_2Cl_2 100% giving byproduct, segment 1: 1200 mL 10% MeOH/ CH_2Cl_2 linear, segment 2: 2400 mL 10% MeOH/ CH_2Cl_2 step, segment 3: 2400 mL 9% MeOH/1% $\text{NEt}_3/\text{CH}_2\text{Cl}_2$). The desired fractions were collected to provide 3-[(R)-1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(1-piperidin-4-yl-1H-pyrazol-4-yl)-pyridin-2-ylamine (7.19 g, 75% combined yield, white solid). MS m/e 450 (M+1)⁺ $^1\text{H NMR}$ (DMSO- d_6 , 400 MHz) δ 7.92 (s, 1H), 7.76 (s, 1H), 7.58 (m, 1H), 7.53 (s, 1H), 7.45 (m, 1H), 6.90 (s, 1H), 6.10 (m, 1H), 5.55 (bs, 2H), 4.14 (m, 1H), 3.05 (m, 2H), 2.58 (m, 2H), 1.94 (m, 2H), 1.80 (d, 3H), 1.76 (m, 2H).

> Overview

> Experimental Procedure

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualizaciones anteriores):**
 - SMILES y InChI: dibuja tus estructuras



Benceno

Estructura:

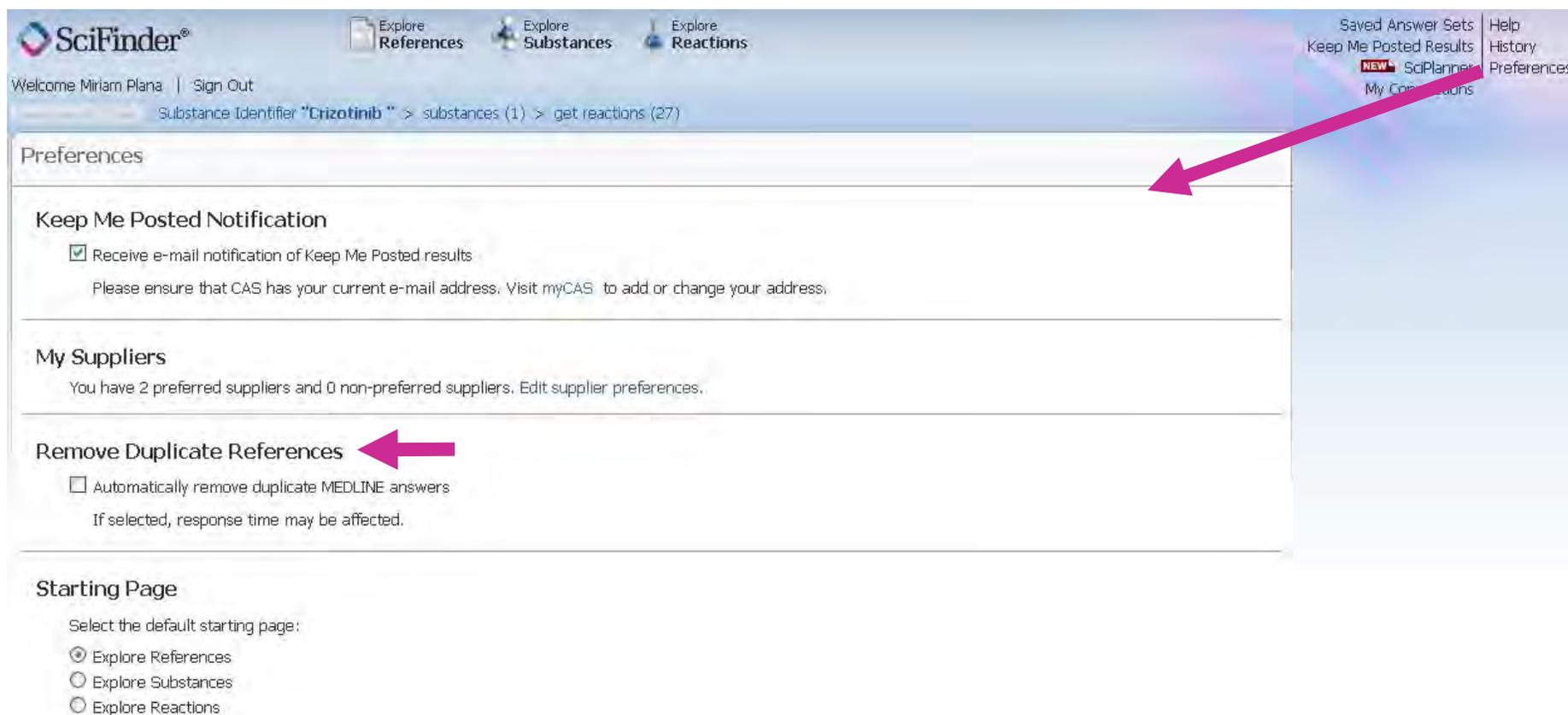


InChI: 1/C6H6/c1-2-4-6-5-3-1/h1-6H

SMILE: c1ccccc1

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualizaciones anteriores):**
 - Remove Duplicates: automáticamente elimina los duplicados (CAplus/Medline):



The screenshot displays the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo and three main menu items: 'Explore References', 'Explore Substances', and 'Explore Reactions'. Below this, a user is logged in as 'Miriam Plana' with a 'Sign Out' link. The breadcrumb trail shows the path: 'Substance Identifier "Crizotinib" > substances (1) > get reactions (27)'. On the right side, there is a vertical menu with links for 'Saved Answer Sets', 'Keep Me Posted Results', 'NEW! SciPlanner', 'My Collections', 'Help', 'History', and 'Preferences'. The main content area is titled 'Preferences' and contains several sections: 'Keep Me Posted Notification' with a checked checkbox for 'Receive e-mail notification of Keep Me Posted results'; 'My Suppliers' indicating 2 preferred and 0 non-preferred suppliers; 'Remove Duplicate References' with an unchecked checkbox and a pink arrow pointing to it; and 'Starting Page' with radio buttons for 'Explore References' (selected), 'Explore Substances', and 'Explore Reactions'. A second pink arrow points from the 'Remove Duplicate References' section towards the 'Preferences' header.

2. SciFinder Versión WEB

- **Novedades en SciFinder Web (actualizaciones anteriores):**
 - Búsqueda por DOI's:

Explore References

Research Topic
Author Name
Company Name
Document Identifier
Journal
Patent
Tags

Document Identifier(s)  10.1021/ol1007907
10.1021/jo100454m
10.1021/np050327j

Search

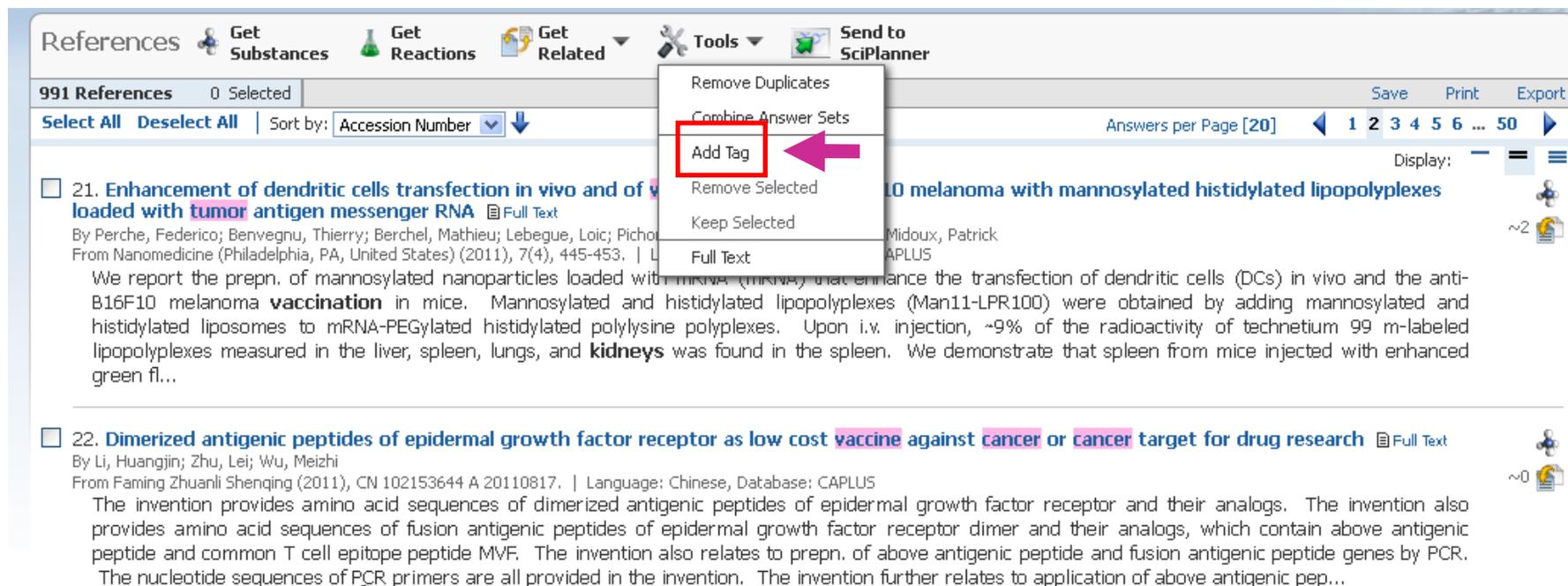
Enter one per line.
Examples:
1983:4296
107:12935
10.1021/np050327j

Los DOI's (Digital Object Identifier) se han convertido en un identificador de referencias literarias a nivel universal. CAS ha respondido a los requerimientos de los usuarios incluyendo esta nueva forma de buscar referencias.

• Más información en este *link*: www.doi.org

2. SciFinder Versión WEB

- Otras opciones interesantes:
 - *Tags y Comments*: “Index Terms” personales



References     

991 References 0 Selected

Select All Deselect All Sort by: Accession Number

Remove Duplicates
Combine Answer Sets
Add Tag
Remove Selected
Keep Selected
Full Text

21. **Enhancement of dendritic cells transfection in vivo and of B16F10 melanoma with mannoseylated histidylated lipopolyplexes** 
By Perche, Federico; Benvegno, Thierry; Berchel, Mathieu; Lebegue, Loic; Pichon, Jean-Louis; Midoux, Patrick
From Nanomedicine (Philadelphia, PA, United States) (2011), 7(4), 445-453. | Language: English, Database: CAPLUS
We report the prepn. of mannoseylated nanoparticles loaded with mRNA (mRNA) that enhance the transfection of dendritic cells (DCs) in vivo and the anti-B16F10 melanoma **vaccination** in mice. Mannoseylated and histidylated lipopolyplexes (Man11-LPR100) were obtained by adding mannoseylated and histidylated liposomes to mRNA-PEGylated histidylated polylysine polyplexes. Upon i.v. injection, ~9% of the radioactivity of technetium 99 m-labeled lipopolyplexes measured in the liver, spleen, lungs, and **kidneys** was found in the spleen. We demonstrate that spleen from mice injected with enhanced green fl...

22. **Dimerized antigenic peptides of epidermal growth factor receptor as low cost vaccine against cancer or cancer target for drug research** 
By Li, Huangjin; Zhu, Lei; Wu, Meizhi
From Faming Zhuanli Shenqing (2011), CN 102153644 A 20110817. | Language: Chinese, Database: CAPLUS
The invention provides amino acid sequences of dimerized antigenic peptides of epidermal growth factor receptor and their analogs. The invention also provides amino acid sequences of fusion antigenic peptides of epidermal growth factor receptor dimer and their analogs, which contain above antigenic peptide and common T cell epitope peptide MVF. The invention also relates to prepn. of above antigenic peptide and fusion antigenic peptide genes by PCR. The nucleotide sequences of PCR primers are all provided in the invention. The invention further relates to application of above antigenic pep...



Añada *Tags* y comentarios

2. SciFinder Versión WEB

- Otras opciones interesantes:
 - Búsqueda por Tags

Explore References

Tags are shared between you and your connected colleagues. Click a tag to retrieve references associated with that tag. **BETA**

Research Topic	Author Name	Company Name	Document Identifier	Journal	Patent	Tags
						<p>0 - 9 (and Special Characters)</p> <p>*****</p> <p>2 plus 2 cycloaddition</p> <p>5-ala chinese</p> <p>>radioact water</p> <p>A</p> <p>additional refs in other stn databases</p> <p>ak huenig</p> <p>ak jordis</p> <p>alkali counterions</p> <p>allenum salts</p> <p>altana</p> <p>alzheimers disease</p> <p>amd</p> <p>ammonia thermal refs</p> <p>antagonists</p> <p>anti-depressant</p> <p>anti-inflammatory project</p> <p>anticholinergic drugs</p> <p>apple juice with contamination</p> <p>aptula</p> <p>aquapharm documents</p> <p>aromalab literatur</p> <p>articles to review</p> <p>aspergillus</p> <p>asthma</p> <p>K</p> <p>kaust</p> <p>L</p> <p>liquid phase oxidation of petroleum compounds</p> <p>low dosage forms of sodium risedronate</p> <p>M</p> <p>maleate salt drugs</p> <p>morphine analysis</p> <p>my tag</p> <p>N</p> <p>new ref</p> <p>nh proton sources</p> <p>not in medline</p> <p>O</p> <p>oh proton sources</p> <p>opiates</p> <p>original in paper</p> <p>osi</p> <p>P</p> <p>pain</p> <p>patent search 1</p> <p>patents from project x</p> <p>photooxidation</p> <p>photovoltaic cells</p> <p>plasma</p> <p>pmdi</p>



Todos los Tags han sido asignados por usted

2. SciFinder Versión WEB

- Otras opciones interesantes:
 - Alertas personales (Keep Me Posted, KMP)

Create Keep Me Posted



¡Para estar al día!

Create Keep Me Posted Profile ⓘ

* Required

Title: *

Description:

Characters Remaining: 1024

Duration
Expires On: Apr 20, 2012 [Change](#)

Frequency
Send updates once every

Exclude previously retrieved references.

Search:
Explore references by research topic: **vaccines against kidney tumors**
Candidates Selected:
References which contain the two concepts "vaccines" and "kidney tumors" closely associated with one another

12 Months
12 Months
6 Months
3 Months
1 Month

Week
Week
Month

2. SciFinder Versión WEB

- Otras opciones interesantes:
 - Opción *Link*: ¡comparta búsquedas!

Reference Detail      

Link Save Print Export

Return

2. **Tumor**-DNA based **vaccines** fail to induce autoimmune disease in mice

By: O'Sullivan, InSug; Lichtor, Terry; Glick, Roberta; Cohen, Edward P.

Allogeneic cellular **cancer vaccines** that express **tumor** antigens specified by **tumor**-DNA have been found to be effective in the treatment of mice with intracerebral breast **cancer**, a metastasis model system. The **vaccines** were prepd. by the transfer of genomic DNA from a spontaneously arising adenocarcinoma of the mammary gland into a mouse fibroblast cell line (LM). The **immunity** in **tumor**-bearing mice treated by **immunization** with the DNA-based **vaccines** was specific for the type of **tumor** from which the DNA was obtained. It was driven mainly by CD8+ T-cells. Here, we present data indicating that animals receiving the therapeutic **vaccines** failed to exhibit signs of autoimmunity, as indicated by an examn. of various H/E stained organs and tissues including brain for infiltrating inflammatory cells and by the absence of serum anti-nuclear antibody (ANA) in the **immunized** mice. In addn., **tumors** derived from the **vaccine** itself failed to develop in immune-competent **tumor**-free mice injected with the non-irradiated allogeneic **vaccines** alone.

Indexing

Immunochemistry (Section 15-2) 

Section cross-reference(s): 14

Concepts 

Mammary gland, **neoplasm**

adenocarcinoma; **tumor**-DNA based **vaccines** fail to induce autoimmune disease in mice

Antibodies and Immunoglobulins

anti-nuclear; **tumor**-DNA based **vaccines** fail to induce autoimmune disease in mice

Biological study, unclassified; Biological study

Copy and paste link for quick access to this reference.
https://scifinder.cas.org/scifinder/view/link_v1/reference.jsf?l=Brj
 Create a bookmark, save in a document, or e-mail to a colleague.

 **Clique en el Link para tener el hipervínculo y podrá compartirlo con sus colegas**

2. SciFinder Versión WEB

- Otras opciones interesantes:
 - Opción *Link*: ¡comparta búsquedas!

Saved Answer Sets Combine Answer Sets

References (6) Substances (2) Reactions (2)

6 Answer Sets 0 Selected Delete Selected

Reference Answer Set Details		Date Saved
<input type="checkbox"/> Autosaved Reference Set (1059) An answer set was automatically saved because the session ended due to inactivity on Thu Apr 21 06:13:49 EDT 2011. Substance Identifier "59865-13-3" > substances (1) > get references (30336) > refine "psoriasis" (1059)	Save	Apr 21, 2011
<input type="checkbox"/> Búsqueda patentes (1312) Research Topic "climatic change" > references (1312)	Edit Link	Sep 22, 2010
<input type="checkbox"/> SSM Patents 31 (8) Chemical Structure substructure > substances (470) > get references (474) > refine "Patents only" (8)	Edit	
<input type="checkbox"/> SSM patents Sativex (322) Chemical Structure substructure > substances (4985) > get references (2986) > refine "Patents only" (322)	Edit	
<input type="checkbox"/> SSM patents UV (244) Chemical Structure substructure > substances (356) > get references (428) > refine "Patents only" (244)	Edit Link	Aug 17, 2010
<input type="checkbox"/> climatic change (1145) Research Topic "climatic change" > references (1145)	Edit Link	Sep 7, 2009

Copy and paste link for quick access to this answer set.

https://scifinder.cas.org/scifinder/view/link_v1/answerset.jsf?l=X

Create a bookmark, save in a document, or e-mail to a colleague. If you delete this answer set, the link will no longer be available.



Puede compartir una búsqueda completa

2. SciFinder Versión WEB

- Tools: ¡hay más opciones!



Remove Duplicates

Combine Answer Sets

Add Tag

Remove Selected

Keep Selected

Full Text



Get Citing

Get Cited



¡Hay más opciones!

2. SciFinder Versión *MOBILE*

- A partir de ahora... ¡Acceda a SciFinder desde su móvil!



- Acceda desde cualquier *Smartphone*:



Agenda

- 1. Contenido de SciFinder: bases de datos
- 2. SciFinder ¡Novedades!
- 3. **Cómo utilizar SciFinder: demostración *on line***
- 4. Ejemplos de búsquedas:
 - Por tema
 - Por estructura
 - Por reacción
- 5. **Cómo aprender más**
 - CAS web page
 - CAS Learning Solutions
- 6. **Ayuda y más información**

Demostración *live* de SciFinder



Agenda

- 1. Contenido de SciFinder: bases de datos
- 2. SciFinder ¡Novedades!
- 3. Cómo utilizar SciFinder: demostración *on line*
- 4. Ejemplos de búsquedas:
 - Por tema
 - Por estructura
 - Por reacción
- 5. Cómo aprender más
 - CAS web page
 - CAS Learning Solutions
- 6. Ayuda y más información

4. Ejemplos de búsquedas

Por tema:

Vacunas contra tumores renales

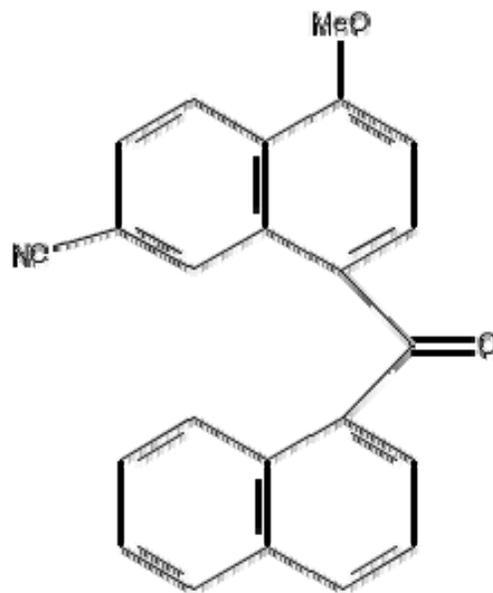
Vaccines against kidney tumors



4. Ejemplos de búsquedas

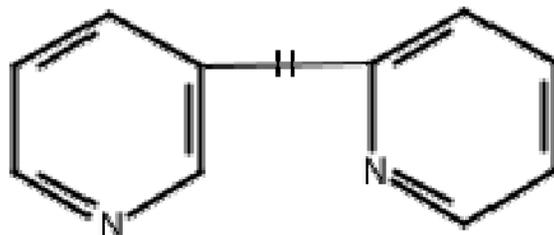
Por estructura:

- ¿Se ha descrito esta en la literatura?
- Si no, ¿se trata de un compuesto nuevo?
- Tengo la libertad para operar (FTO) con esta sustancia?



4. Ejemplos de búsquedas

Por reacción:
Preparación de



mínimo n^o de etapas, buen rendimiento,
procedimientos experimentales, etc.



4. Ejemplos de búsquedas

Página principal de SciFinder: Explorar Referencias

Explore References

Research Topic

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

Author Name
Company Name
Document Identifier
Journal
Patent
Tags

Publication Year(s)

Examples: 1995, 1995-1999, 1995-, -1995

Document Type(s)

<input type="checkbox"/> Biography	<input type="checkbox"/> Dissertation	<input type="checkbox"/> Patent
<input type="checkbox"/> Book	<input type="checkbox"/> Editorial	<input type="checkbox"/> Preprint
<input type="checkbox"/> Clinical Trial	<input type="checkbox"/> Historical	<input type="checkbox"/> Report
<input type="checkbox"/> Commentary	<input type="checkbox"/> Journal	<input type="checkbox"/> Review
<input type="checkbox"/> Conference	<input type="checkbox"/> Letter	

Language(s)

<input type="checkbox"/> Chinese	<input type="checkbox"/> German	<input type="checkbox"/> Polish
<input type="checkbox"/> English	<input type="checkbox"/> Italian	<input type="checkbox"/> Russian
<input type="checkbox"/> French	<input type="checkbox"/> Japanese	<input type="checkbox"/> Spanish

4. Ejemplos de búsquedas

Página principal de SciFinder: Explorar sustancias

Explore Substances

Chemical Structure Chemical Structure

Markush
Molecular Formula
Substance Identifier

Click to Edit

Search

Characteristic(s)

- Single component
- Commercially available
- Included in reference(s)

Class(es)

- Alloys
- Coordination compounds
- Incompletely defined
- Mixtures
- Polymers
- Organics, and others not listed

Studies

- Analytical
- Biological
- Preparation
- Reactant or reagent

4. Ejemplos de búsquedas

Página principal de SciFinder: Explorar reacciones

Explore Reactions

Reaction Structure Reaction Structure

Click to Edit

Solvent(s)

Non-participating Functional Group(s)

Number of Steps

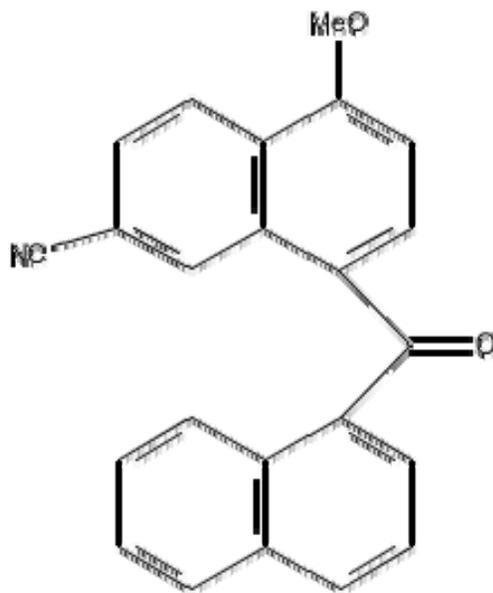
Classification(s) Biotransformation Electrochemical Radiochemical
 Catalyzed Gas-phase Regioselective
 Chemoselective Non-catalyzed Stereoselective
 Combinatorial Photochemical

Source(s)

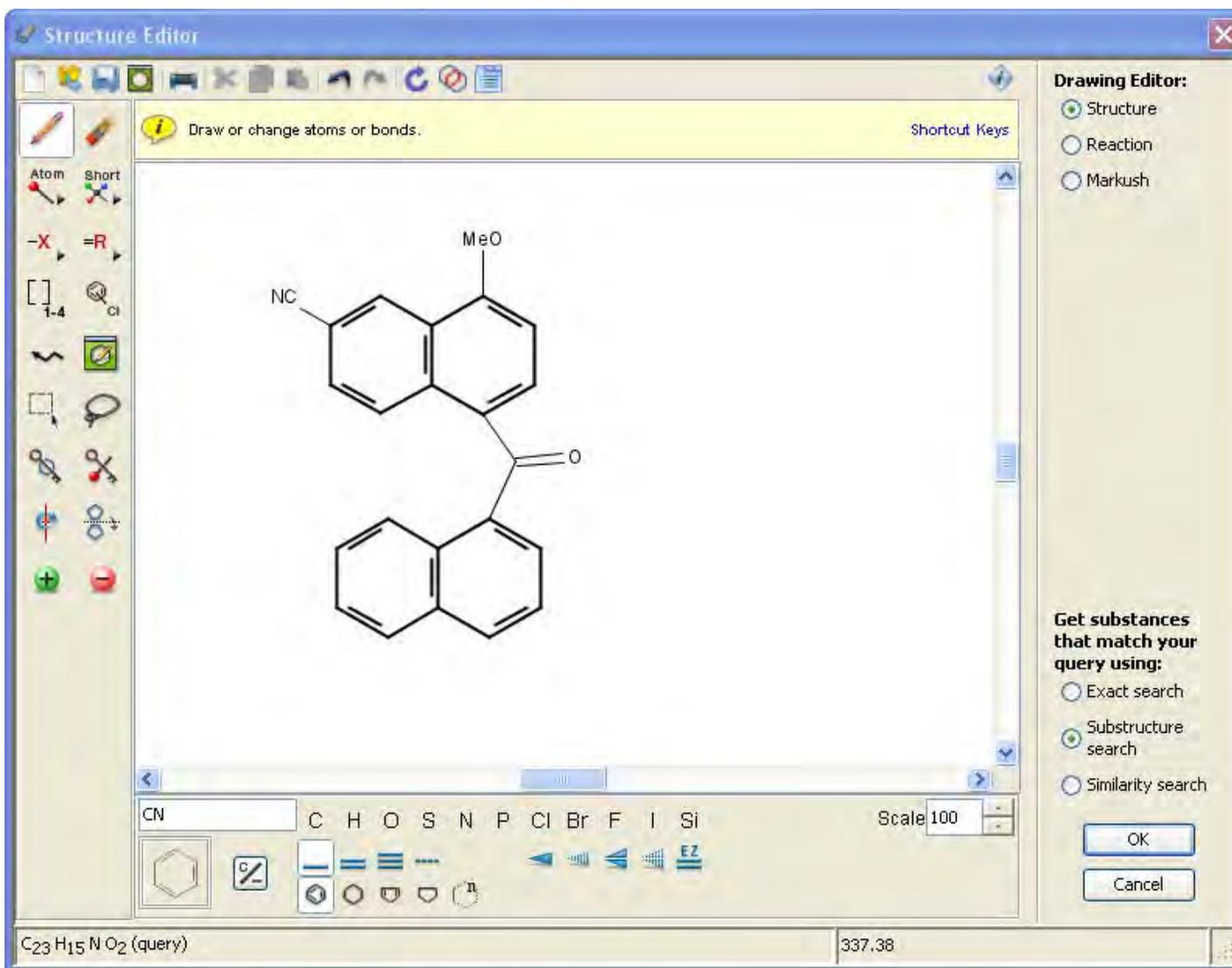
4. Ejemplos de búsquedas

Por estructura:

- ¿Se ha descrito esta en la literatura?
- Si no, ¿se trata de un compuesto nuevo?
- Tengo la libertad para operar (FTO) con esta sustancia?



Editor de estructuras



Búsqueda subestructural

SciFinder®

Welcome Miriam Plana | Sign Out

Explore References | Explore Substances | Explore Reactions

Saved Answer Sets | Help | Keep Me Posted Results | History | My Connections | Preferences

Explore Substances

Chemical Structure | Chemical Structure

Markush **NEW**

Molecular Formula

Substance Identifier

Search

Click image to change structure or view detail

Search type: Exact Structure **Substructure** Similarity

Show precision analysis

Characteristic(s)

Single component

Commercially available

Included in reference(s)

Class(es)

Alloys

Coordination compounds

Mixtures

Polymers

Saved Answer Sets

- SSM Patents 31
- SSM patents Sativex
- SSM patents UV
- amb enllaç senzill i sense bloqu
- eig
- anell 3 bloquejat
- Lactone blocked positions o-c=O
- Lactone Non participating funct
- ional group
- climatic change
- Autosaved Reference Set

View All

Import

Keep Me Posted Results

Climatic Change

Aug 21, 2010 (8)

View All

My Connections

No invitations to connect

No outstanding sent invitations

You have 4 connections

Búsqueda subestructural

The screenshot displays the SciFinder web interface. At the top, there is a navigation bar with the SciFinder logo and three main menu items: 'Explore References', 'Explore Substances', and 'Explore Reactions'. On the right side of the top bar, there are links for 'Saved Answer Sets', 'Keep Me Posted Results', 'My Connections', 'Help', 'History', and 'Preferences'. Below the navigation bar, a user greeting 'Welcome Paul P Peters | Sign Out' is visible. The main search area shows a breadcrumb trail: 'Create Keep Me Posted > Chemical Structure substructure > substances (0)'. The search results are displayed in a table with the following content:

Substances		Combine Answer Sets
0 Substances	0 Selected	
Explore Substances resulted in 0 substances Return		

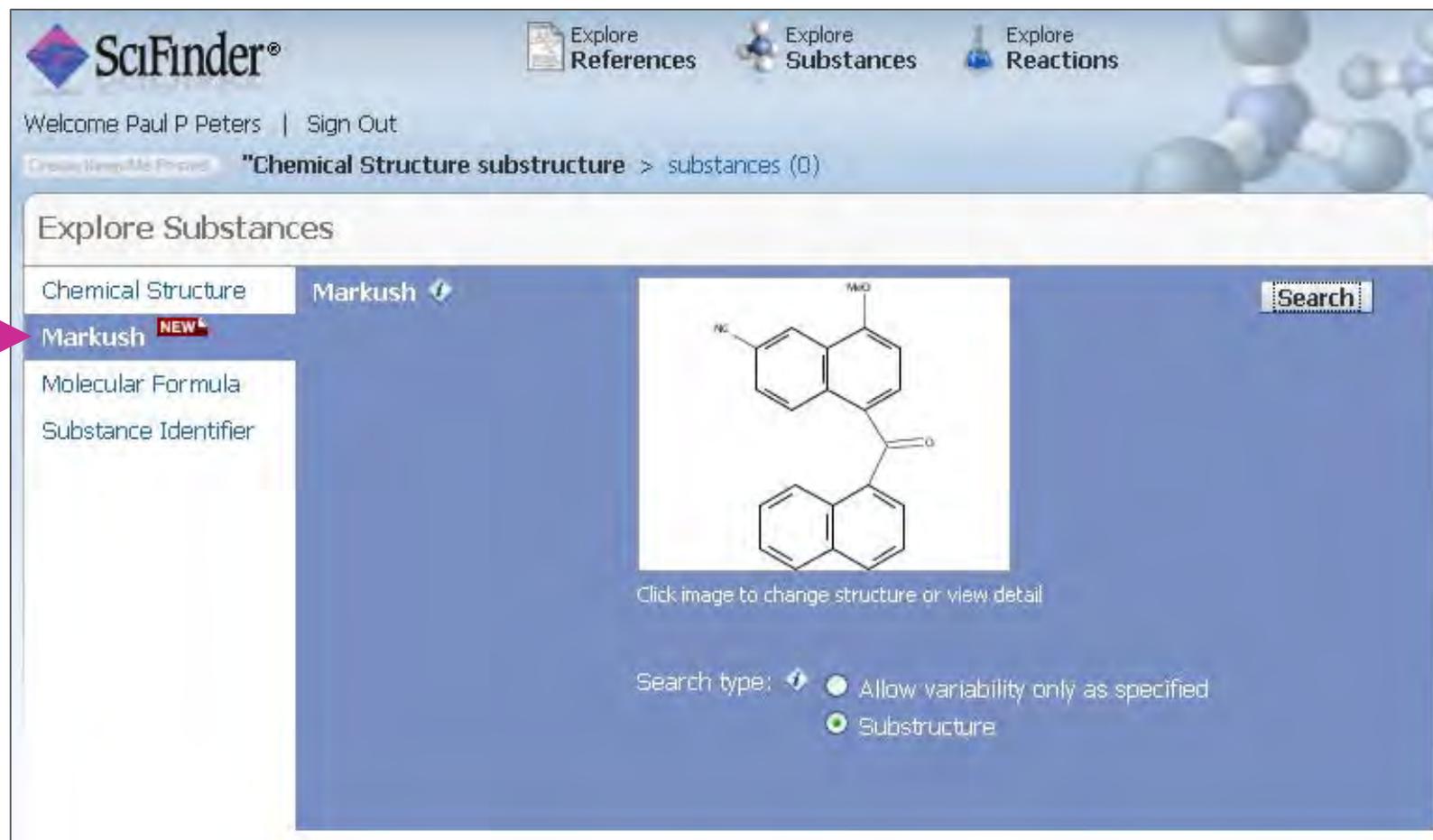
A pink arrow points from the search results area to a zoomed-in view of the table header and first row. The zoomed-in view shows:

Substances		Combine Answer Sets
0 Substances	0 Selected	
Explore Substances resulted in 0 substances Return		

On the right side of the interface, there is a sidebar with two tabs: 'Analysis' and 'Refine'. Under the 'Analysis' tab, there is a section 'Analyze by:' with a dropdown arrow and the text 'No substances available'.

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Ahora es posible recuperar patentes adicionales con la búsqueda de Markush. No es necesario volver a dibujar la estructura.



The screenshot displays the SciFinder web interface. At the top, there are navigation links for "Explore References", "Explore Substances", and "Explore Reactions". Below the navigation, a user is logged in as "Paul P Peters" with a "Sign Out" option. The current search path is "Chemical Structure substructure > substances (0)".

The main content area is titled "Explore Substances" and features a search bar with the text "Markush" and a "Search" button. A pink arrow points to the "Markush" option in the left-hand navigation menu, which is also marked with a "NEW" badge. Other options in the menu include "Chemical Structure", "Molecular Formula", and "Substance Identifier".

In the center of the interface, there is a chemical structure diagram of a complex molecule consisting of two naphthalene rings connected by a carbonyl group. The top naphthalene ring has a cyano group (-CN) and a hydroxyl group (-OH) attached. Below the structure, there is a text prompt: "Click image to change structure or view detail".

At the bottom of the interface, there are search type options: "Allow variability only as specified" (selected) and "Substructure".

Hay 12 referencias donde la estructura coincide con fórmulas de Markush

SciFinder®

Welcome Paul P Peters | Sign Out

Explore References | Explore Substances | Explore Reactions

Saved Answer Sets | Help
Keep Me Posted Results | History
My Connections | Preferences

Create Keep Me Posted | Markush substructure > references (12)

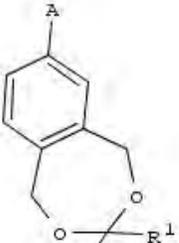
References | Get Substances | Get Reactions | Get Cited | Get Citing | Get Full Text | Combine Answer Sets

12 References | 0 Selected | Keep Selected | Remove Selected | Remove Duplicates | Add Tags | Save | Print | Export

Select All | Deselect All | Sort by: Accession Number | Answers per Page [20] | Display: [Icons]

1. **Combinations for treating HIV-associated pain**
By Johns, Donald; Evans, Thomas George
From PCT Int. Appl. (2009), WO 2009106574 A2 20090903. Language: English, Database: CAPLUS
The present invention relates to novel combinations suitable for the treatment or amelioration of pain of various genesis or etiol., which comprise, as active ingredients, at least 1 cannabinoid receptor binding naphthalene deriv., and at least one opioid, to their prepn., to their use as medicaments and to medicaments comprising them.
+Substances | Reactions | Citing | Full Text | Link | Comments | Tags

2. **New 7,7-disubstituted derivatives of (5H,9H)-6,8-dioxabenzocycloheptene, their preparation, and their use in synthesis of nonsteroidal analogs of Vitamin D**
By Terranova, Eric; Pascal, Jean-Claude
From PCT Int. Appl. (2005), WO 2005116007 A1 20051208. Language: French, Database: CAPLUS
The prepn. of 7,7-disubstituted derivs. of (5H,9H)-6,8-dioxabenzocycloheptene of formula I [A = -CH₂-Y, CHO; Y = halo,OH, OSO₂R₂, P(=O)(OR₃)₂; R, R₁ = independently H, alkyl, alkoxy, etc.; R₂ = alkyl, aryl; R₃ = alkyl; with the proviso that R and R₁ cannot be simultaneously Me when A = CH₂OH] and their optical isomers, and their use as intermediates in the synthesis of nonsteroidal analogs of vitamin D, particularly of formula II [R₄, R₅ = independently alkyl; R₆, R₇ = identical selected from alkyl, H, perfluoro; X = CH₂, NH, N-alkyl, O] is described. The prepn. of intermediates II was demonstrated. For example, protection of 4-nitrobenzaldehyde with (3,4-dihydroxymethylphenyl)methanol and reaction with mesyl chloride gave the mesylate III.



Analysis | Refine

Analyze by: Author Name

Click bar to view only those references within the current answer set

Koehler Hermann	2
Pascal Jean Claude	2
Terranova Eric	2
Wettling Thomas	2
Asao Yasushi	1
Backx Leo Jacobus Jozef	1
Brain Christopher Thomas	1
Cirillo Pier F	1
Culshaw Andrew James	1
Dziadulewicz Edward Karol	1

Show More

Categorize

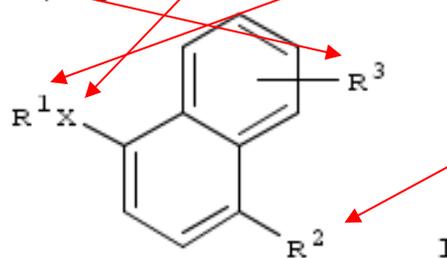
Si el abstract tiene una estructura (gráfico) puede dar pistas sobre nuestra estructura— ¡consulte la patente para más detalles!

4. Naphthalene derivatives for the treatment of gastrointestinal disorders

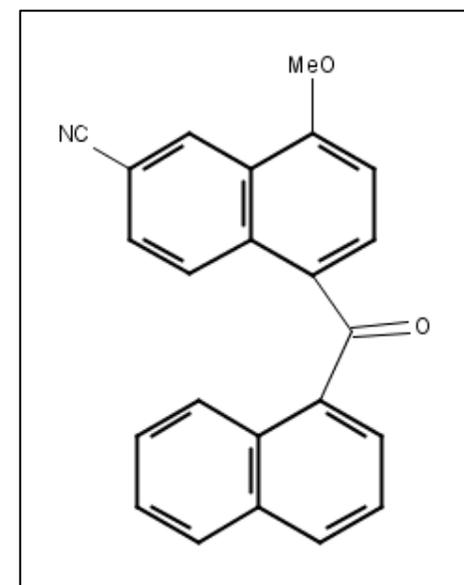
By Lehmann, Anders

From PCT Int. Appl. (2005), WO 2005058292 A1 20050630. Language: English, Database: CAPLUS

The invention discloses the use of compds. I [X = S, S(O), C(O), NH, etc.; R1 = aryl, heteroaryl; R2 = H, OR4, NR5R6; R3 = H, cyano, heteroaryl, etc.; R4 = C1-8 alkyl, C2-8 alkenyl; R5, R6 = H, C1-8 alkyl; C(O)C1-8 alkyl] for the inhibition of transient lower esophageal sphincter relaxations. A further aspect of the invention is directed to the use of I for the treatment of gastroesophageal reflux disease, as well as for the treatment of regurgitation.



[+Substances](#)
[▲Reactions](#)
[fCiting](#)
[□Full Text](#)
[∞Link](#)
[💬0 Comments](#)
[🏷️0 Tags](#)



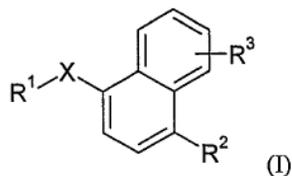
Revisar la definición original de la sustancia en la patente puede ayudar

WO 2005/058292

PCT/SE2004/001877

2

The present invention is directed to the use of compounds of formula I



La patente describe ejemplos más específicos del anillo que no están en el CA abstract. El naftilo se menciona como una opción para el anillo R1.

5 wherein X is -S-, -S(O)-, -S(O)₂-, -S(O)₂NH-, -P(O)(OCH₃)-, -P(O)(OH)-, -NH-, -N(CH₃)-,
 , -NHC(O)NH-, C(O)-, -C(O)O-, -NHC(O)-, -CH(OH)-, -CH=N-, -CH=CH-, -CH₂NH- or

C(=NH)-;

R¹ is aryl or heteroaryl

R² is hydrogen, OR⁴ or

10 R⁴ is C₁-C₈ alkyl or C

R⁵ and R⁶ independent

R³ is hydrogen, cyano

Aryl or heteroaryl is to be understood to include a six membered ring or a bicycle consisting of two condensed six-membered rings or one six-membered and one five-membered ring, wherein one or more C atoms may be replaced, independently of one another, by an atom selected from the group consisting of oxygen, nitrogen and sulfur. Examples include C₆-C₁₀ aryl, C₁-C₉ heteroaryl, and C₆ aryl condensed to a five or six membered aliphatic or heteroaliphatic ring, e.g. naphthyl, 1,2,3,4-tetrahydronaphthalenyl,

A tener en cuenta.... Opciones en las búsquedas de Markush

- **Sólo considera las variables de la estructura especificadas**
 - No hay sustitución adicional: las posiciones abiertas serán hidrógenos
- **Para resultados grandes de búsquedas de Markush: refine por “topic” con palabras clave como aplicaciones (pesticidas, etc)**
- **Utilice la opción combine para eliminar las estructuras repetidas de los resultados de búsquedas SSM o exactas.**
- **Analice por Sección CA para encontrar áreas de aplicación más generales**
- **Utilice la opción Categorize para revisar la terminología de sus resultados (medicina, agro, alimentación, etc)**
- **Considere una búsqueda Structure Similarity search como una alternativa o complemento a sus búsquedas de Markush**

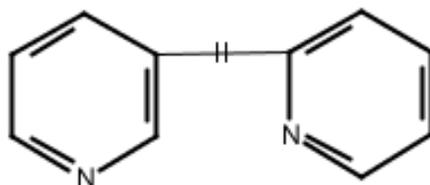
¿Cuáles son las limitaciones de las búsquedas de Markush?

- **No todas las patentes tienen fórmula de Markush, la mayoría sólo describen compuestos específicos**
 - De las 486.700 patentes cubiertas en las bases de datos de CAS en 2009, 17.222 conetnían una estructura de Markush
- **Cualquier anillo que busque está específicamente dibujado o mencionado en la fórmula de Markush como una opción.**
- **Patentes que sólo describen el anillo genéricamente (un arilo) no se encuentran.**
- **Sus anillos son automáticamente aislados (dibujar un fenilo no recupera un naftilo)**
- **Los profesionales de las búsquedas (STN) pueden hacer búsquedas más genéricas en MARPAT**
- **Los compuestos organometálicos no se pueden buscar en SciFinder. Contacte a un profesional (STN)**
- **Los compuestos inorgánicos y los polímeros no se encuentran en la base de datos de fórmulas de Markush**

2.- Ejemplos de búsquedas

- Búsqueda por reacción:

Preparación de:



Mínimo n^o de etapas, buen rendimiento, procedimientos experimentales, etc.

Búsqueda de Reacciones

- **La búsqueda de reacciones en la versión Web de SF ofrece nuevas funcionalidades y opciones (¡ y muy interesantes!):**
 - Restricción a determinados disolventes. Puede escoger uno (o más) disolventes a partir de una jerarquía de disolventes real.
 - Puede fijar grupos que no reaccionen desde el principio.
 - Reacciones adicionales a partir de *Similar Reactions*
 - Más reacciones adicionales a partir del contenido de CA(*Half reactions*)
 - ¡Y más novedades!

Búsqueda de Reacciones

SciFinder®

Welcome Miriam Plana | Sign Out

Explore References | Explore Substances | Explore Reactions

Explore Reactions

Reaction Structure | Reaction Structure

Search

Click to Edit

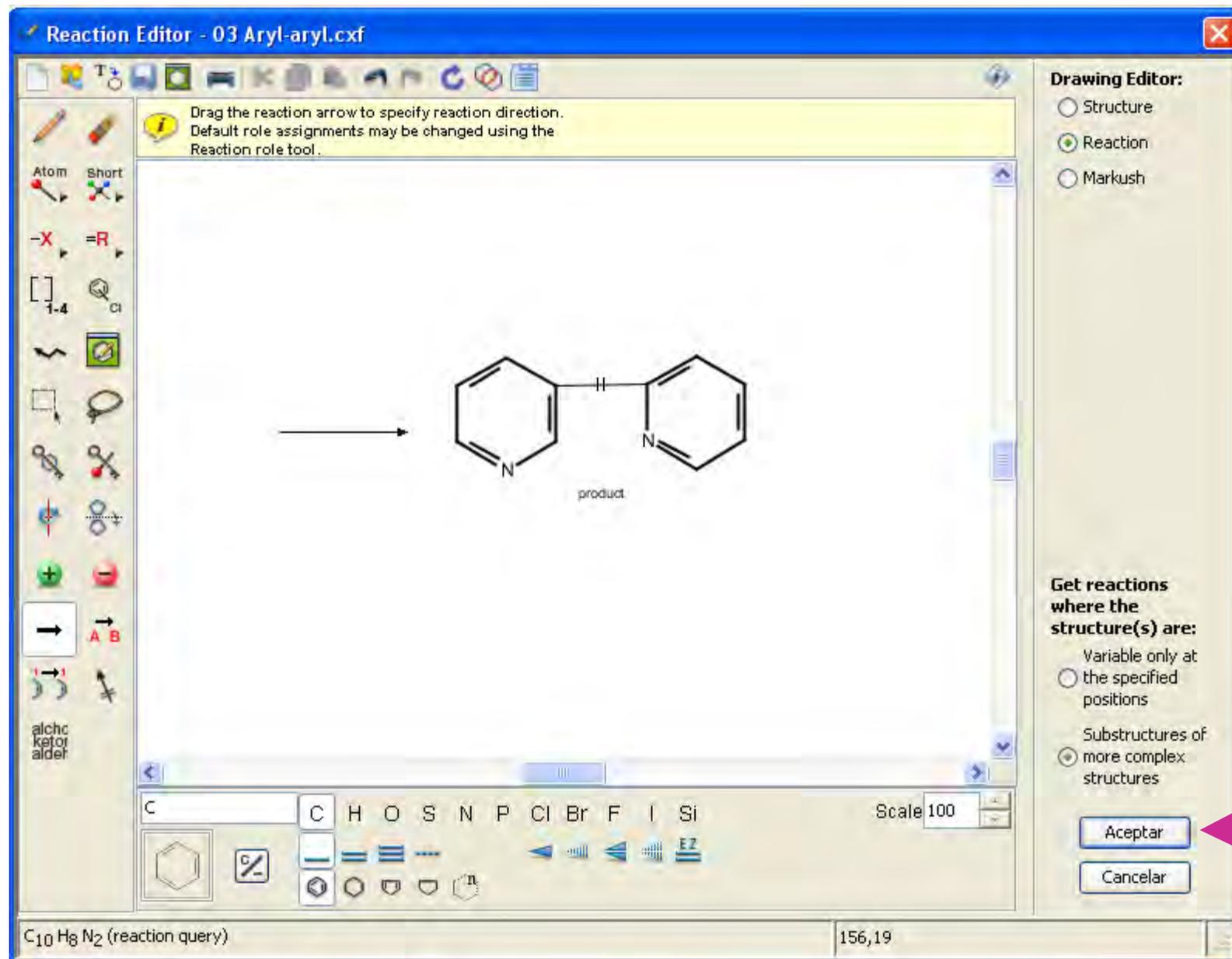
Solvent(s) Select Solvents

Non-participating Functional Group(s) Select Groups

Number of Steps
Examples: 1, 1-3, 1-3

Classification(s)

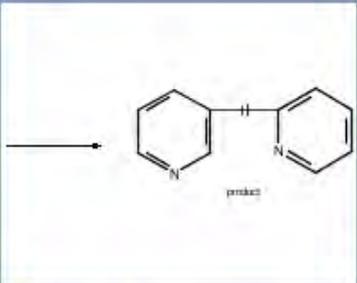
<input type="checkbox"/> Biotransformation	<input type="checkbox"/> Electrochemical	<input type="checkbox"/> Radiochemical
<input type="checkbox"/> Catalyzed	<input type="checkbox"/> Gas-phase	<input type="checkbox"/> Regioselective
<input type="checkbox"/> Chemoselective	<input type="checkbox"/> Non-catalyzed	<input type="checkbox"/> Stereoselective



Puede limitar la búsqueda por disolventes

Explore Reactions

Reaction Structure Reaction Structure ⚙ Search



Click image to change structure or view detail

Search type: ⚙ Allow variability only as specified Substructure

Solvent Hierarchy
[View Solvent List]

1 Selected [Select All](#) [Deselect All](#)

- Inorganic solvents
 - Ammonia
 - Ammonia-15N
 - Ammonia-d3
 - Water
 - Water-17O
 - Water-18O
 - Water-d
 - Water-d2
 - Water-d2-18O
 - Water-t
 - Water-t2
- Ionic liquids

... y analizar sus resultados...

SciFinder® Explore References Explore Substances Explore Reactions

Welcome Miriam Plana | Sign Out

Reaction Structure substructure with limiters > reactions (7543)

Reactions Get References Tools **NEW** Send to SciPlanner

7543 Reactions 0 Selected Save Print Export

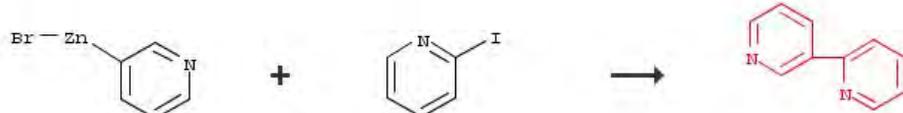
Select All Deselect All Sort by: Relevance Answers per Page [50] 1 2 3 4 5 6 ... 151 Display: [Icons]

1. View Reaction Detail [Link](#)
2 Steps *Hover over any structure for more options.*



► Overview

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



Analysis Refine

Analyze by: Catalyst

Click bar to view only those reactions within the current answer set

Pd(PPh ₃) ₄	5728
DMF	3367
72287-26-4	1518
95464-05-4	765
PdCl ₂ (PPh ₃) ₂	600
Pd	529
PtO ₂	392
<i>p</i> -MeC ₆ H ₄ SO ₃ H	238
Pd ₂ (dba) ₃	193
Pd(OAc) ₂	192

Puede analizar por „Procedimientos experimentales“

SciFinder® Explore References Explore Substances Explore Reactions

Welcome Miriam Plana | Sign Out

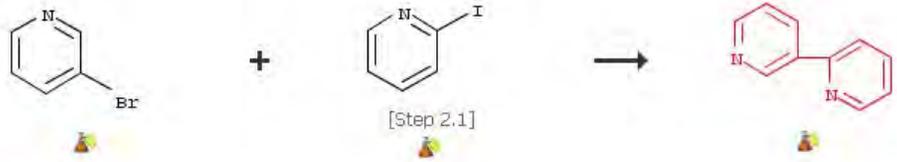
Reaction Structure substructure with limiters > reactions (7543)

Reactions Get References Tools **NEW** Send to SciPlanner

7543 Reactions 0 Selected Save Print Export

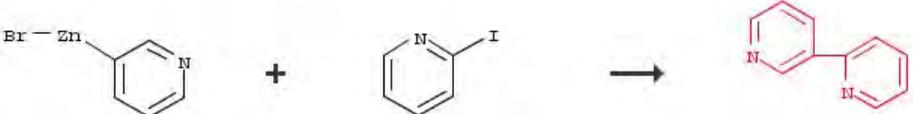
Select All Deselect All Sort by: Relevance Answers per Page [50] 1 2 3 4 5 6 ... 151 Display: [Icons]

1. View Reaction Detail [Link](#)
2 Steps *Hover over any structure for more options.*



► Overview

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



Analysis Refine

Analyze by:

- Catalyst
- Author Name
- Catalyst
- Company-Organization
- Document Type
- Experimental Procedure**
- Journal Name
- Language
- Number of Steps
- Product Yield
- Publication Year
- Solvent

PdCl ₂ (PPh ₃) ₂	600
Pd	529
PtO ₂	392
p-MeC ₆ H ₄ SO ₃ H	238
Pd ₂ (dba) ₃	193
Pd(OAc) ₂	192

Escoja la reacción que necesite...

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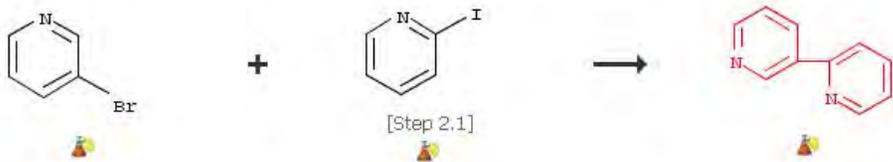
Reaction Structure substructure with limiters > reactions (7543)

Reactions Get References Tools Send to SciPlanner

7543 Reactions 0 Selected Save Print Export

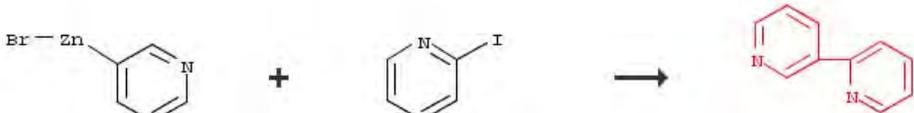
Select All Deselect All Sort by: Relevance Answers per Page [50] 1 2 3 4 5 6 ... 151 Display: [Icons]

1. View Reaction Detail [Link](#)
2 Steps Hover over any structure for more options.



► Overview

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



Analysis Refine

Analyze by:

Click bar to view only those reactions within the current answer set

Experimental Procedures Available	5705
Experimental Procedures Not Available	1838

[Show More](#)

Escoja la reacción que necesite...

Reactions [Get References](#) [Tools](#) [NEW Send to SciPlanner](#)

7543 Reactions 0 Selected Save Print Export

5,705 reactions with the Experimental Procedure **Experimental Procedures Available** are displayed Keep Analysis Clear Analysis

Select All Deselect All Sort by: Relevance Answers per Page [50] 1 2 3 4 5 6 ... 115 Display:

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

► Overview
 ► **Experimental Procedure**

12. View Reaction Detail [Link](#)
2 Steps *Hover over any structure for more options.*

Analysis Refine

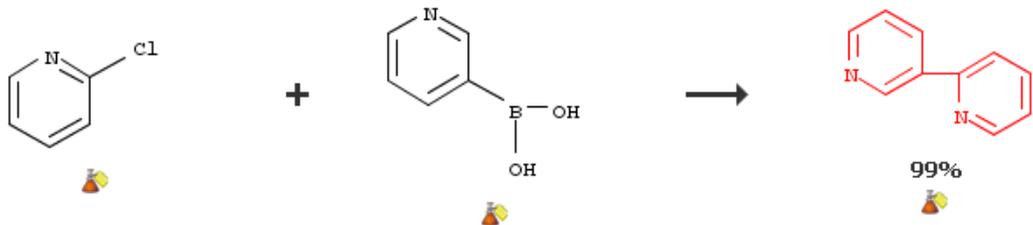
Analyze by: Experimental Procedure

Click bar to view only those reactions within the current answer set

Experimental Procedures Available 5705

Experimental Procedures Available	5705
Experimental Procedures Not Available	1838

[Show More](#)

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

General/Typical Procedure: General/Typical Procedure: Suzuki reaction of aryl halides (in water) Preparation of the catalyst-stock-solution: The catalyst stock solution was prepared as described for the aqueous Sonogshira reaction using 9-Et-2-SO₃HFlu-PCy₂'HBF₄ (13a). Cross-coupling reaction: Aryl halide (1 mmol), boronic acid (1.2 mmol) and K₂CO₃ (3.2 mmol) were first added to water (4 ml), then the catalyst stock solution and two drops of Labrasol® (caprylocaproyl macrogol-8 glyceride blend, saturated polyglycolized glycerides consisting of mono-, di- and triglycerides of mono- and di-fatty acids of polyethylene glycol (PEG)) were added. The reaction mixture was stirred at the respective temperatures (see Table 8) for 0.5-20 h (see Table 8). After cooling to room temperature the reaction mixture was diluted with ether (15 ml), washed with water (10 ml), the organic phase was dried over MgSO₄, filtered and concentrated in vacuo. The product was isolated by column chromatography (silica, cyclohexane / ethylacetate (100:2). Alternatively the yield was determined via gas chromatography with hexadecane or diethylene glycol di-n-butylether as an internal standard. Table 8. Suzuki coupling of aryl bromides and aryl chlorides in water. 1. Compound No: 27

Puede ver los procedimientos experimentales de 6 journals de la American Chemical Society y patentes de la USPTO, EPO y WIPO de 2005 a 2010 directamente en SciFinder

Refine su set de reacciones, por ejemplo por etapas

The screenshot displays the SCIFINDER interface. At the top, there are navigation options: "Reactions", "Get References", "Tools", and "Send to SciPlanner". Below this, a header indicates "5705 Reactions" and "0 Selected". A "Sort by" dropdown is set to "Relevance". On the right, there are options for "Answers per Page [50]" and "Display" settings.

The main content area shows a list of reactions. The first reaction is selected and expanded, showing a chemical reaction between 2-chloropyridine and pyridine-2-boronic acid to form 2-(pyridin-2-yl)pyridine with a 99% yield. Below the reaction, there are links for "Overview" and "Experimental Procedure".

On the right side, there is a "Refine" panel. It has two tabs: "Analysis" and "Refine". Under "Refine by:", there are several radio button options: "Reaction Structure", "Product Yield", "Number of Steps" (which is selected), "Reaction Classification", "Excluding Reaction Classification", and "Non-participating functional groups". Below these options, there is a "Number of Steps:" section with a text input field containing the number "1" and the text "Examples: 1, 1-3, 1-3". A "Refine" button is located at the bottom of the panel. A large pink arrow points from the reaction list towards the "Refine" panel.

Y analice los resultados...

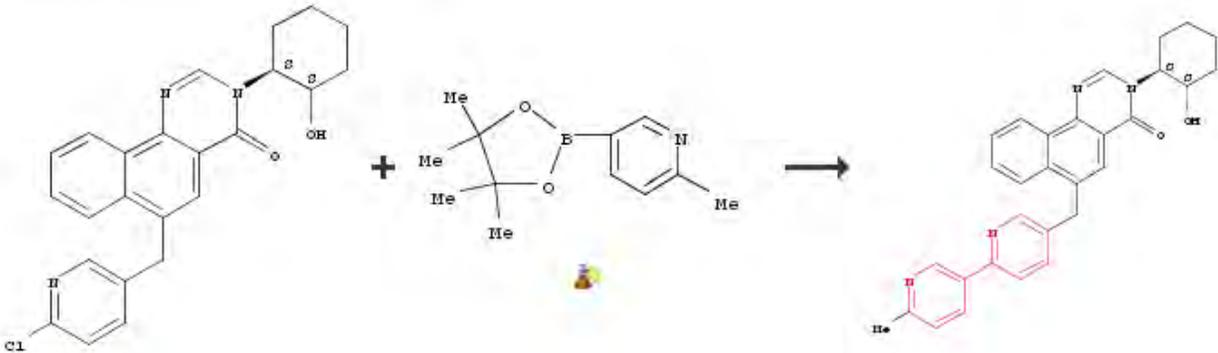
Reactions Get References Tools Send to SciPlanner

201 Reactions 0 Selected Save Print Export

Select All Deselect All | Sort by: Accession Number Answers per Page [50] 1 2 3 4 5

Display:

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



2. [View Reaction Detail](#) [Similar Reactions](#)

- ▶ Overview
- ▶ Experimental Procedure

¡Puede escoger entre muchas opciones!

The screenshot displays the SCIFINDER interface. At the top, there are navigation tabs: "Reactions", "Get References", "Tools", and "Send to SciPlanner". Below this, it shows "201 Reactions" with "0 Selected". A "Sort by:" dropdown is set to "Accession Number". On the right, there are "Save", "Print", and "Export" buttons, and a "Display:" section with icons for list, grid, and other views. A pink arrow points to the "Company-Organization" option in the "Analyze by:" dropdown menu.

The main content area shows a chemical reaction. On the left, there is a complex heterocyclic molecule with a chlorine atom (Cl) and a hydroxyl group (OH). This reacts with a boron-containing reagent (a pinacol boronate ester) to form a product on the right, which is a similar heterocyclic molecule with a different substituent.

Below the reaction, there are two sections for viewing details:

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

The "Analyze by:" dropdown menu on the right lists the following options:

- Experimental Procedure
- Author Name
- Catalyst
- Company-Organization
- Document Type
- Experimental Procedure
- Journal Name
- Language
- Number of Steps
- Product Yield
- Publication Year
- Solvent

Ordene sus resultados por frecuencia o por orden alfabético

Analysis - Company-Organization ⓘ

49 Items 0 Selected

Sort by: ▼

Select bars to view only those reactions within the current answer set.

- Vertex Pharmaceuticals Incorporated
- Novartis Vaccines and Diagnostics, Inc.
- Astrazeneca AB
- Glaxo Group Limited
- Merck Sharp & Dohme Corp.
- Human Biomolecular Research Institute
- Ranbaxy Laboratories Limited
- University of Durham
- Daewoong Pharmaceutical Co., Ltd.
- Merck Frosst Canada Ltd.

Apply

Analysis - Company-Organization ⓘ

49 Items 2 Selected Export

Sort by: ▼

Select bars to view only those reactions within the current answer set.

- Genentech, Inc. 1
- Glaxo Group Limited 12
- Global Alliance for TB Drug Development 1
- Human Biomolecular Research Institute 10
- Incyte Corporation 1
- Kemia, Inc. 1
- Laboratorios Almirall, S. A. 2
- Laboratorios Almirall, S.A. 2
- Li, Tongmei 2
- Massachusetts Institute of Technology 1

Apply Cancel

Puede ver las reacciones con más detalle

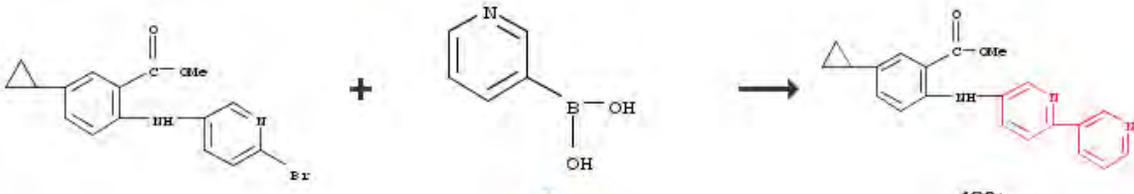
Reactions Get References Tools Send to SciPlanner

4 Reactions 0 Selected Save Print Export

Select All Deselect All Sort by: Accession Number Answers per Page [50]

Display:

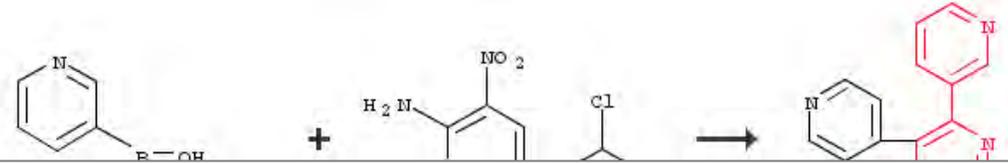
1. View Reaction Detail [Link](#) Similar Reactions
Single Step *Hover over any structure for more options.*



▶ Overview 

▶ Experimental Procedure 

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



Y enviar la reacción al SciPlanner

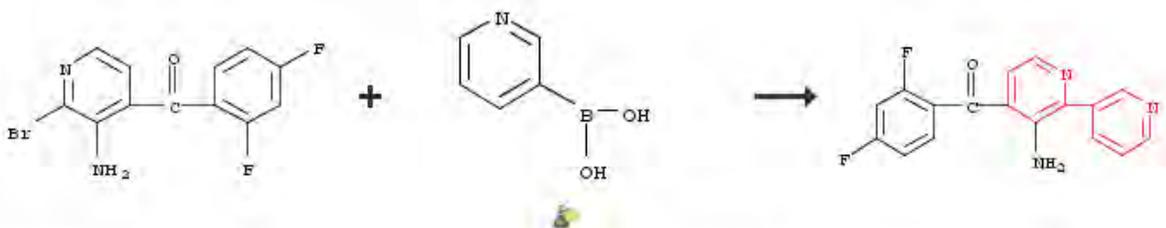
Reaction Detail [Get Reference Detail](#) [Get Full Text](#) [Get Similar Reactions](#) **NEW** [Send to SciPlanner](#) 

Link Save Print Export

[Return](#) [Previous](#) | [Next](#)

4. Single Step

Hover over any structure for more options.



Stages

1.1 R:Cs₂CO₃, C:95464-05-4, S:H₂O, S:Dioxane, 18 h, 100°C
 1.2 R:H₂O, cooled

[Experimental Procedure](#)

Notes

Suzuki coupling, Reactants: 2, Reagents: 2, Catalysts: 1, Solvents: 2, Steps: 1, Stages: 2

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Source

Preparation of pyridin-3-amine derivatives as p38 mitogen-activated protein kinase inhibitors
 Vidal Juan, Bernat; Caturla Javaloyes, Juan Francisco; Lumeras Amador, Wenceslao; Vidal Gispert, Laura
 Assignee Laboratorios Almirall, S.A.
 2007

Patent Information

Aug 30, 2007
 WO 2007096072
 A2

Number of Steps

1

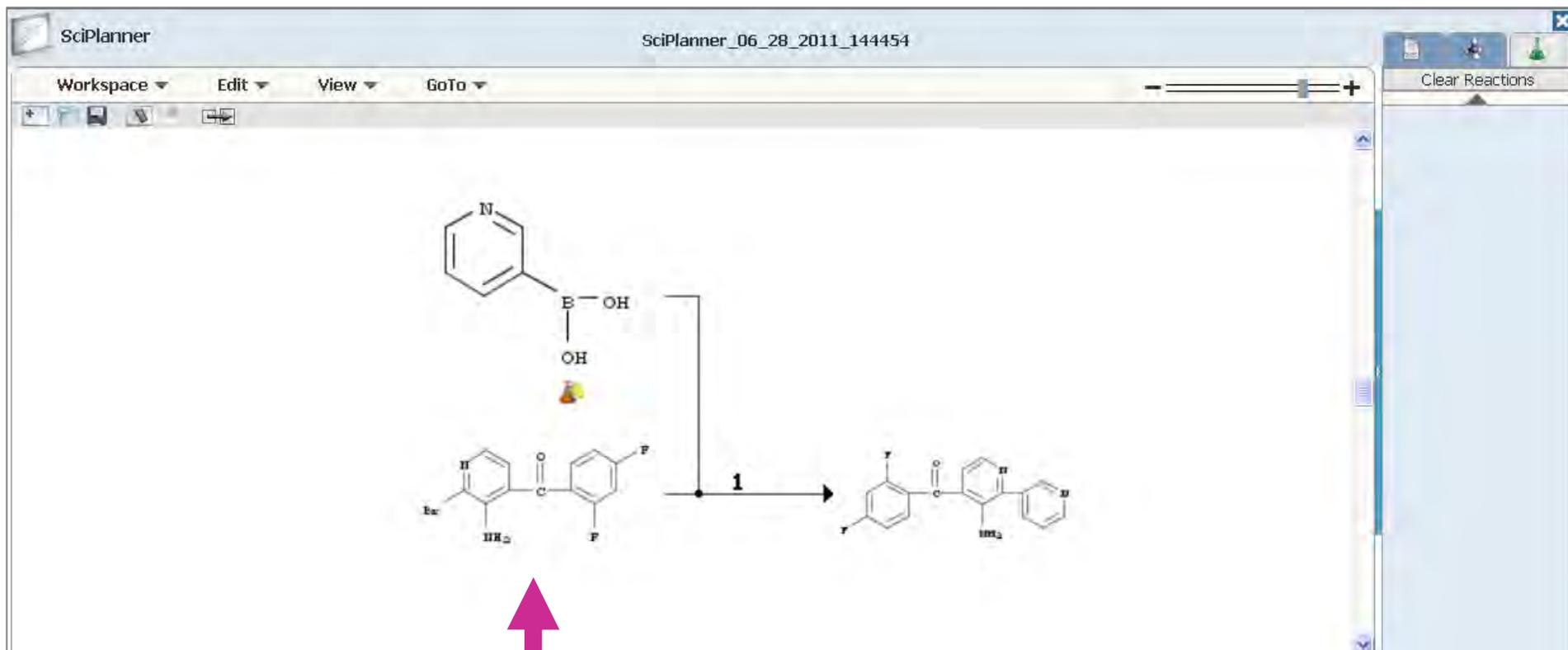
„Arrastre“ la reacción al *workspace*



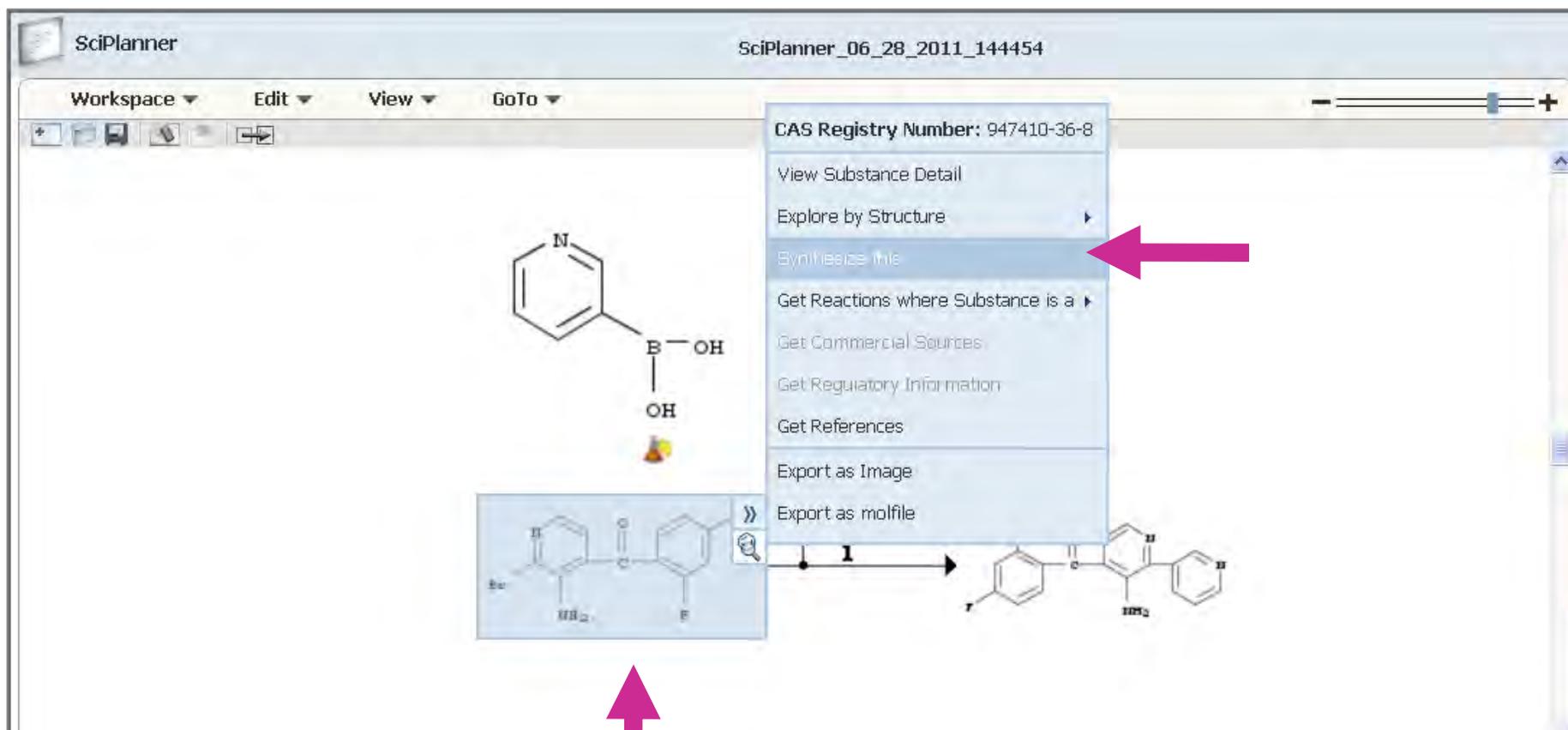
„Arrastre“ la reacción al *workspace*



Y estudie su ruta sintética...



SciFinder le busca reacciones de su interés



Seleccione la que más le interese

Reactions Get References Tools NEW! Send to SciPlanner

22 Reactions 0 Selected Save Print Export

Select All Deselect All Sort by: Accession Number
Accession Number
Experimental Procedure
Number of Steps
Product Yield
Publication Year Answers per Page [50]
Display:

1. View Reaction Detail **4 Steps** *Hover over any structure for more options.*

► Overview
► Experimental Procedure

2. View Reaction Detail **3 Steps** *Hover over any structure for more options.*

Y envíe la reacción de su interés al SciPlanner

Reaction sent to SciPlanner

Reaction Detail [Get Reference Detail](#) [Get Full Text](#) [NEW Send to SciPlanner](#)

[Return](#) [Link](#) [Save](#) [Print](#) [Export](#) [Previous](#) | [Next](#)

5. 2 Steps *Hover over any structure for more options.*

Steps	Stages	Notes	Yield
1	1.1 R:mCPBA, S:CH ₂ Cl ₂ , 0°C; overnight, rt	Reactants: 1, Reagents: 1, Solvents: 1, Steps: 1, Stages: 1	80%
2	2.1 R:O=PBr ₃ , S:CH ₂ Cl ₂ , rt; 3 h, 60°C; cooled 2.2 R:NH ₃ , S:H ₂ O, cooled, pH 10-11	regioselective, Reagents: 2, Solvents: 2, Steps: 1, Stages: 2	52%

[Experimental Procedure](#)

[Experimental Procedure](#)

[Previous](#) | [Next](#)

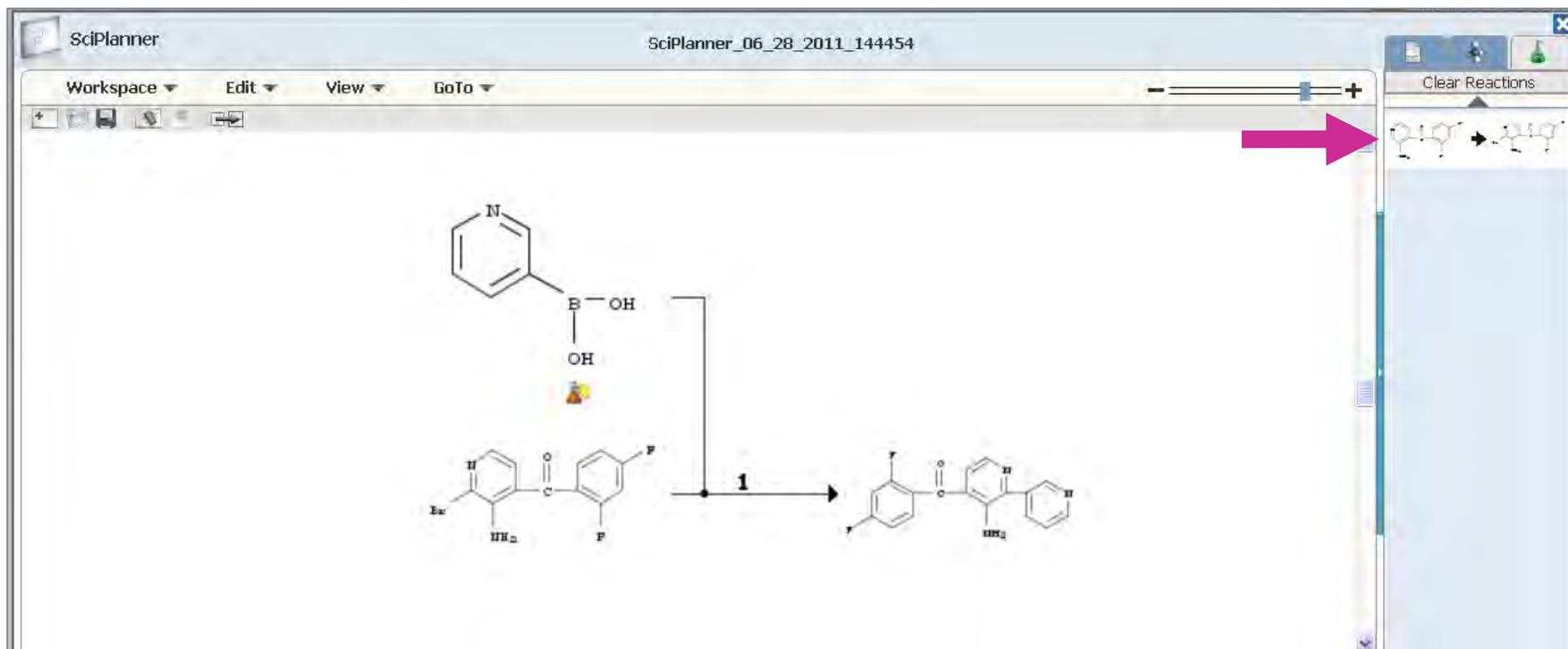
Source

Design, Synthesis, and Structure-Activity Relationships of Aminopyridine N-Oxides, a Novel Scaffold for the Potent and Selective Inhibition of p38 Mitogen Activated Protein Kinase
Lumeras, Wenceslao; Caturla, Francisco; Vidal, Laura; Esteve, Cristina; Balague, Cristina; Orellana, Adelina; Dominguez, Maria; Roca, Ramon; Huerta, Josep M.; Godessart, Nuria; Vidal, Bernat
Journal of Medicinal Chemistry
Volume 52
Issue 17
Pages 5531-5545
Journal
2009

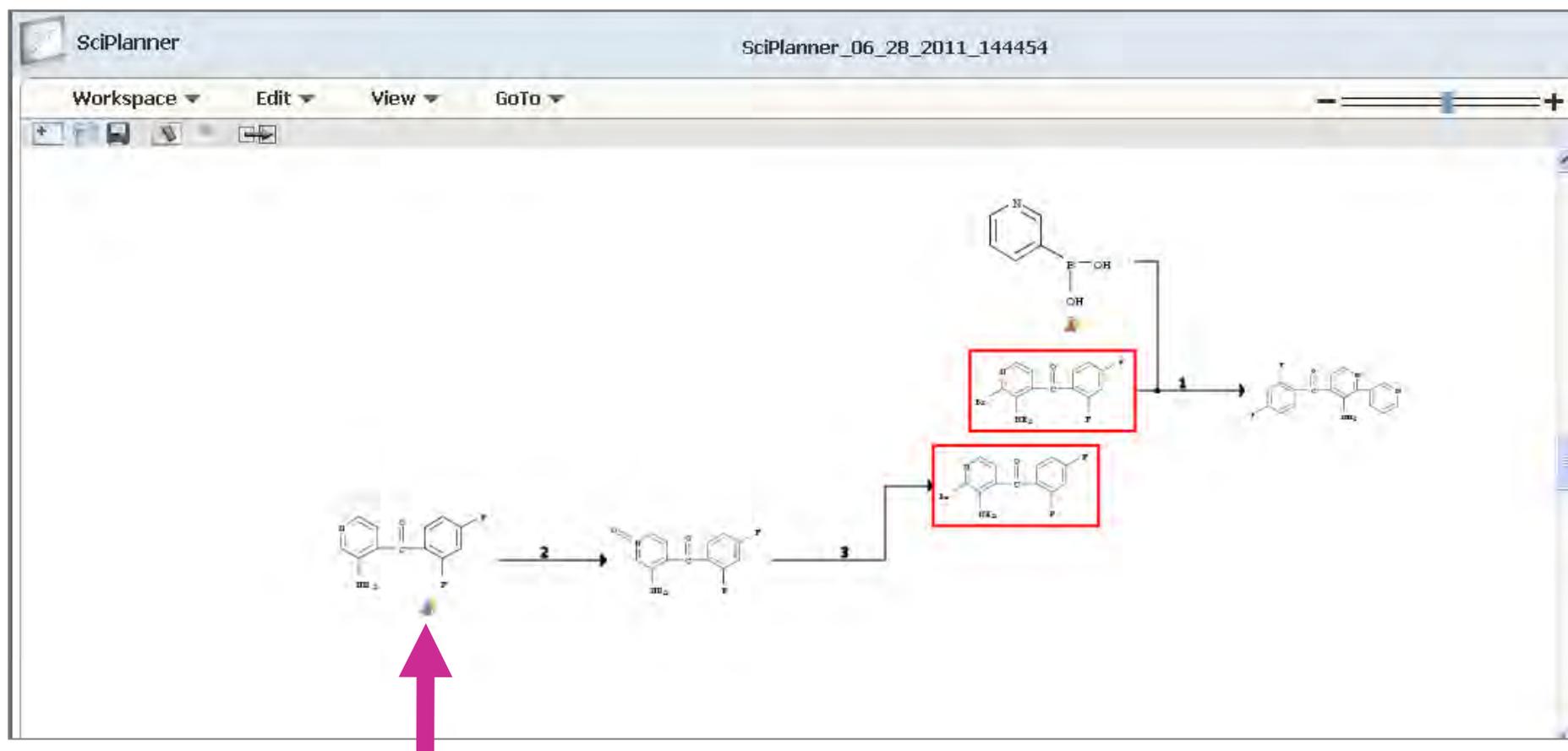
Company/Organization

Department of Medicinal Chemistry, Almirall Research Center
Almirall S.A.
Barcelona, Spain, E-08000

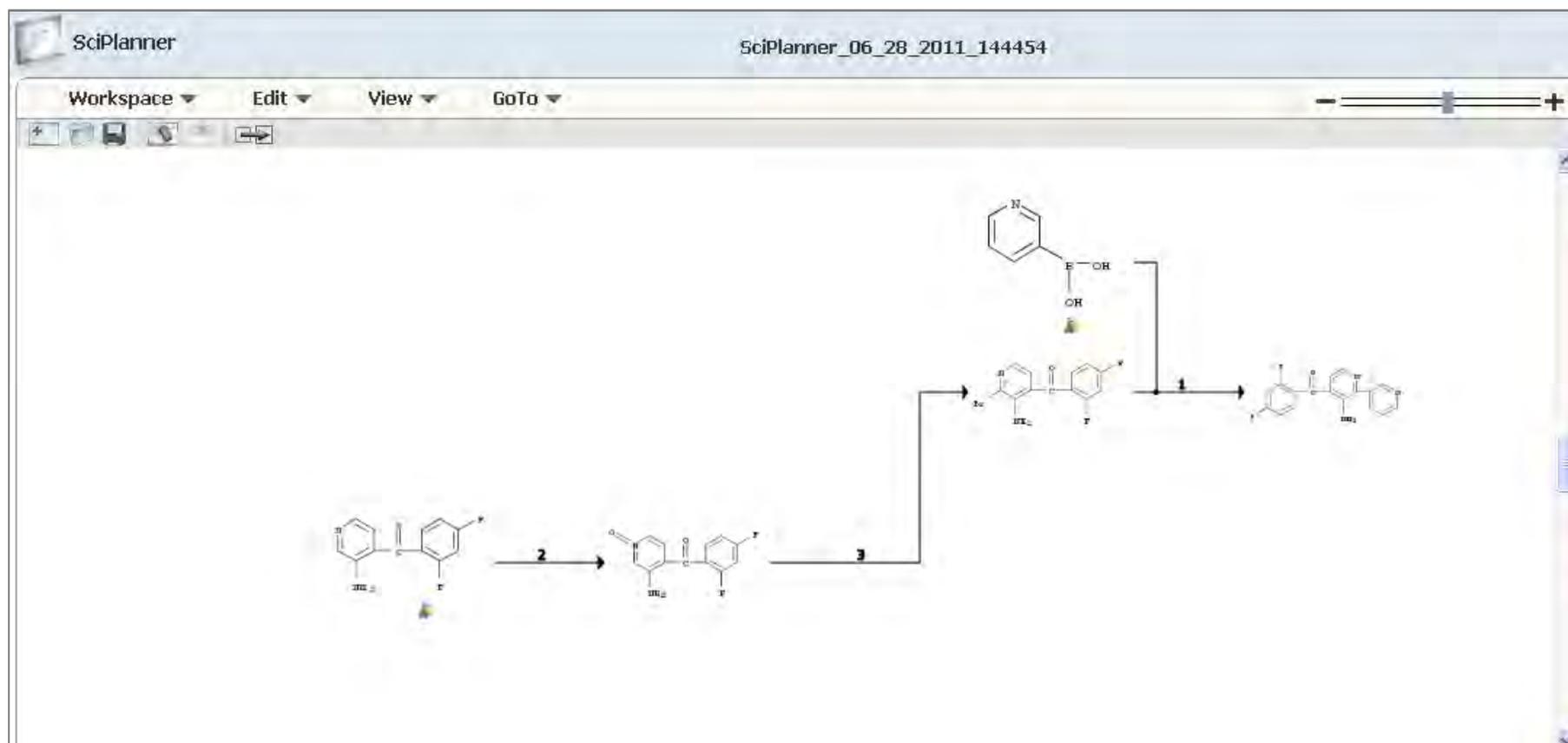
Sitúela en el *workspace*



La síntesis es completa



Además, puede enviar al SciPlanner: sustancias y referencias de su interés

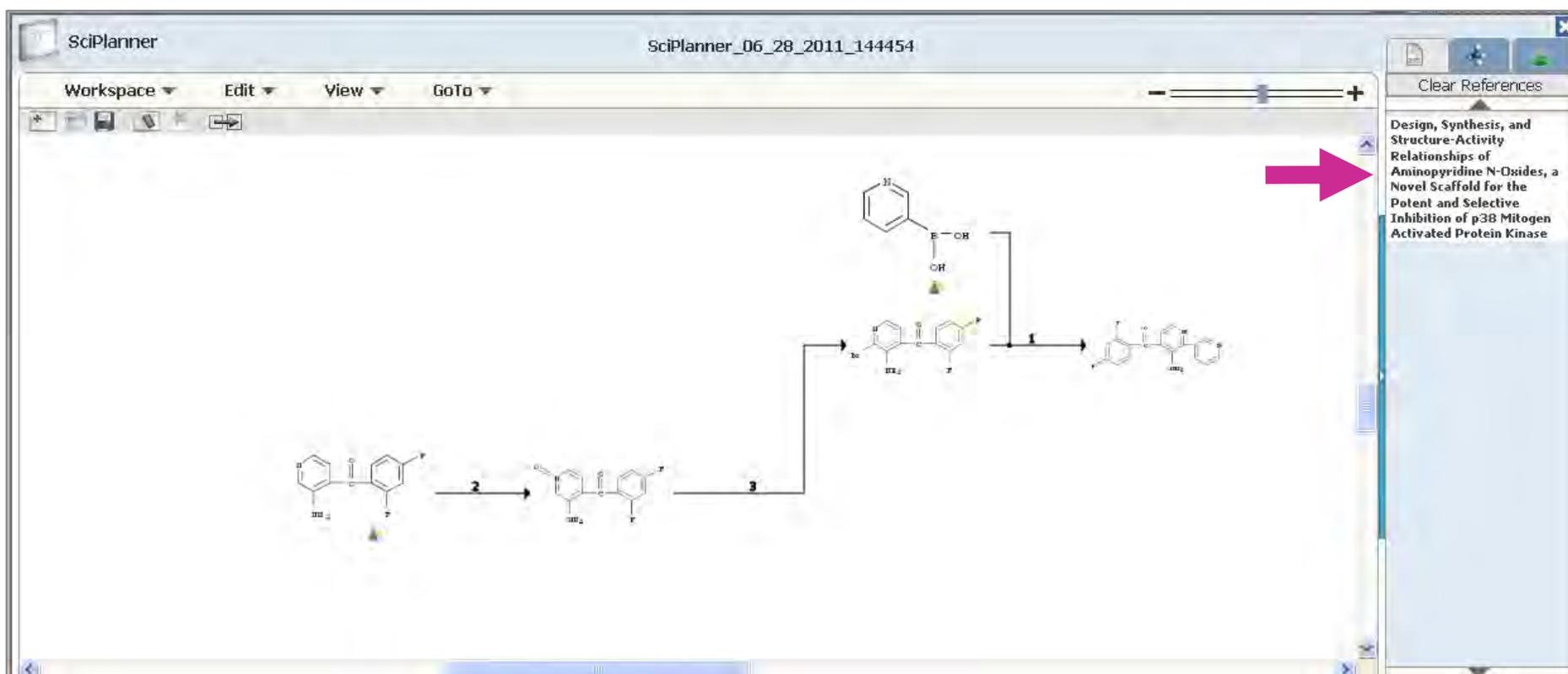


Además, puede enviar al SciPlanner: sustancias y referencias de su interés

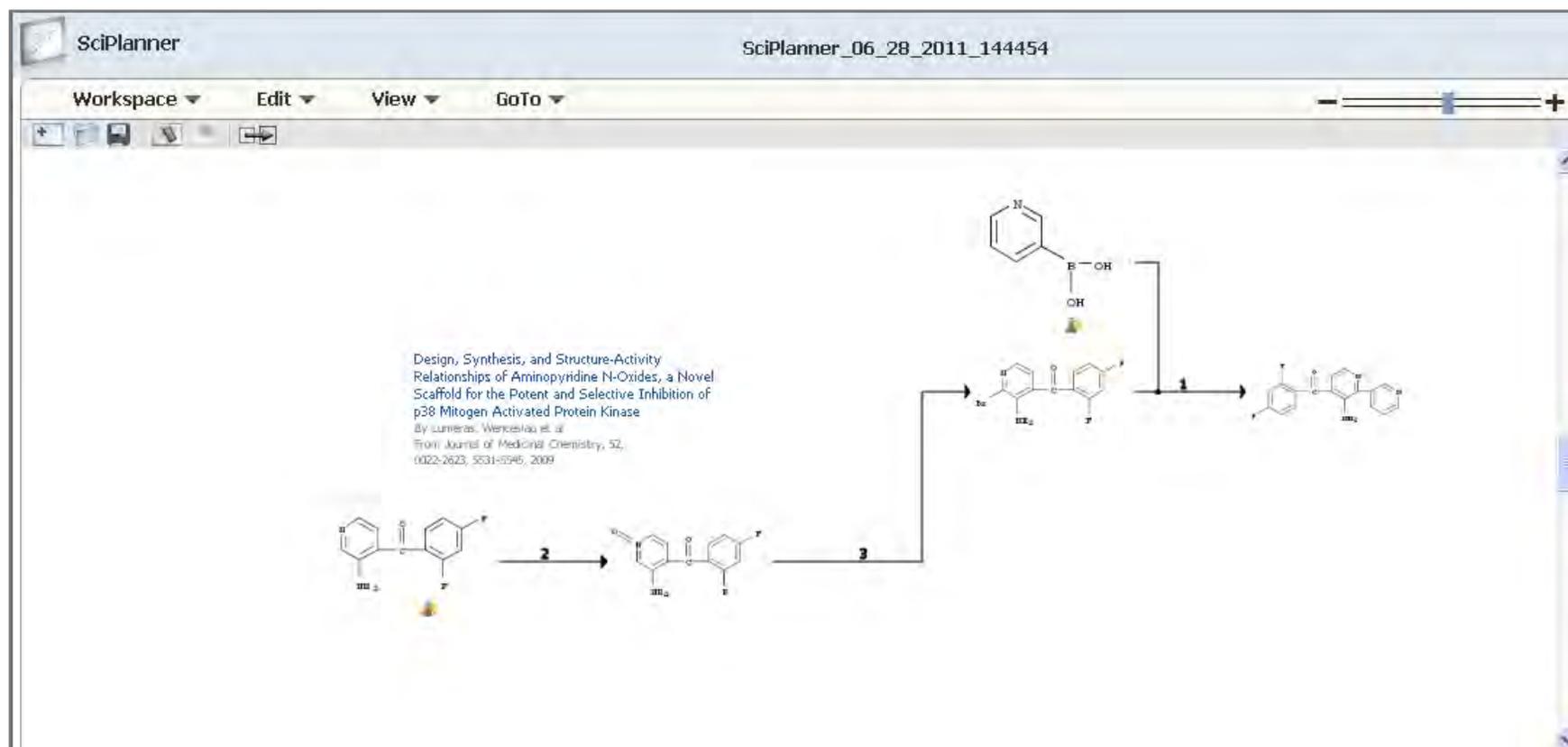
Reference sent to **SciPlanner**

Reference Detail	Get Substances	Get Reactions	Get Cited	Get Citing	Get Full Text	NEW Send to SciPlanner
Link Save Print Export						
<p>Design, Synthesis, and Structure-Activity Relationships of Aminopyridine N-Oxides, a Novel Scaffold for the Potent and Selective Inhibition of p38 Mitogen Activated Protein Kinase</p> <p>By: Lumeras, Wenceslao; Caturla, Francisco; Vidal, Laura; Esteve, Cristina; Balague, Cristina; Orellana, Adelina; Dominguez, Maria; Roca, Ramon; Huerta, Josep M.; Godessart, Nuria; Vidal, Bernat</p> <p>A novel series of aminopyridine N-oxides, e.g. 1, were designed, synthesized, and tested for their ability to inhibit p38α MAP kinase. Some of these compds. showed a significant redn. in the LPS-induced TNFα prodn. in human whole blood. Structure-activity relationship studies revealed that N-oxide oxygen was essential for activity and was probably a determinant factor for a marked selectivity against other related kinases. Compd. 1 was identified as a potent and selective p38α inhibitor with an appropriate balance between potency and pharmacokinetics. In vivo efficacy of 1 was demonstrated in reducing TNFα levels in an acute murine model of inflammation (ED50 = 1 mg/kg in LPS-induced TNFα prodn. when dosed orally 1.5 h prior to LPS administration). The oral efficacy of 1 was further demonstrated in a chronic model of adjuvant arthritis in rats with established disease when administered orally (ED50 = 4.5 mg/kg).</p> <div style="text-align: center;"> </div>						
<p>Quick Links 0 Tags, 0 Comments</p>						
<p>Source <i>Journal of Medicinal Chemistry</i> Volume 52 Issue 17 Pages 5531-5545 Journal 2009 CODEN: JMCMAR ISSN: 0022-2623 DOI: 10.1021/jm9008604</p>						
<p>Company/Organization Department of Medicinal Chemistry, Almirall Research Center Almirall S.A. Barcelona, Spain E-08980</p>						
<p>Accession Number 2009:989436 CAN 151:336997</p>						

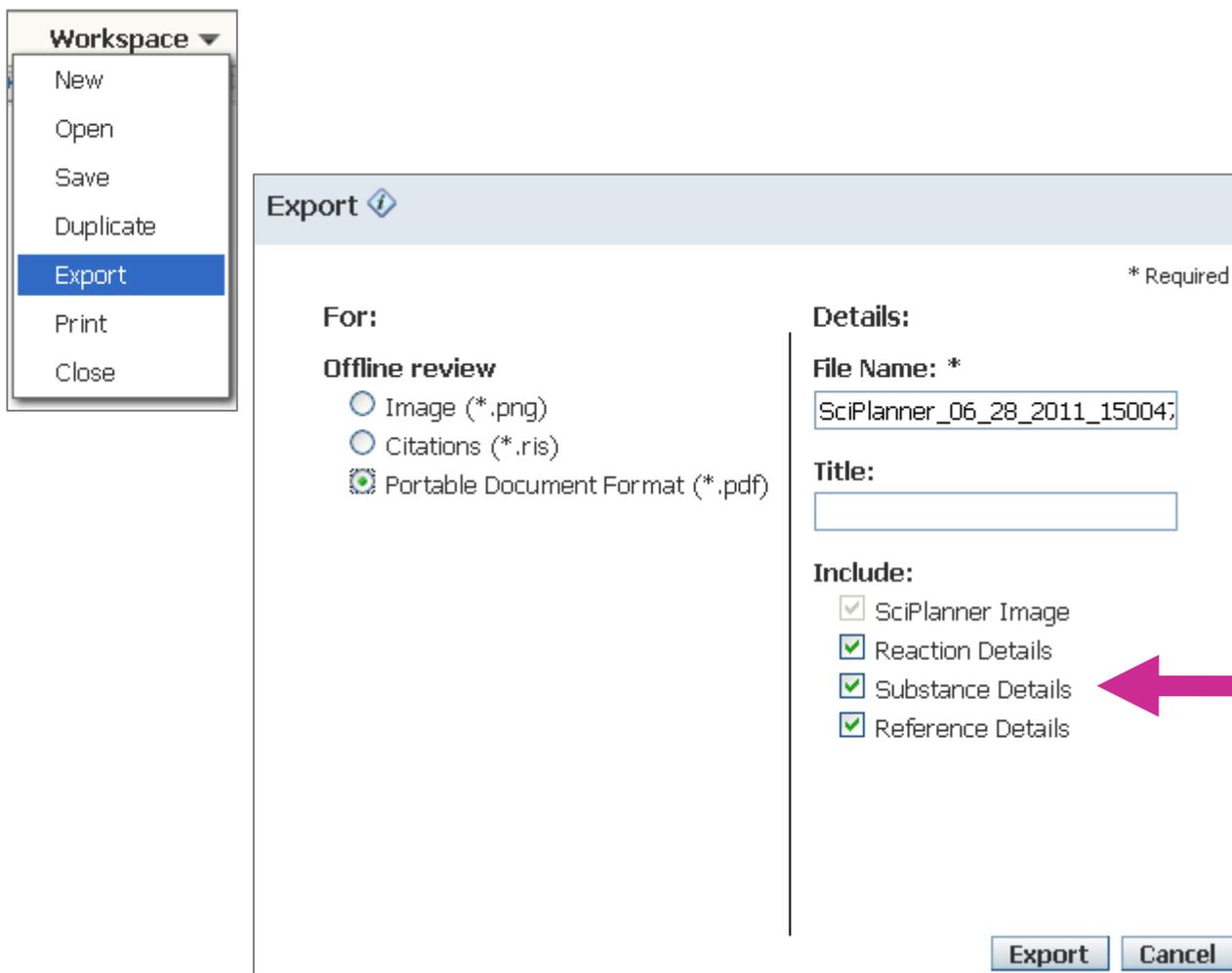
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sustancias y referencias de su interés



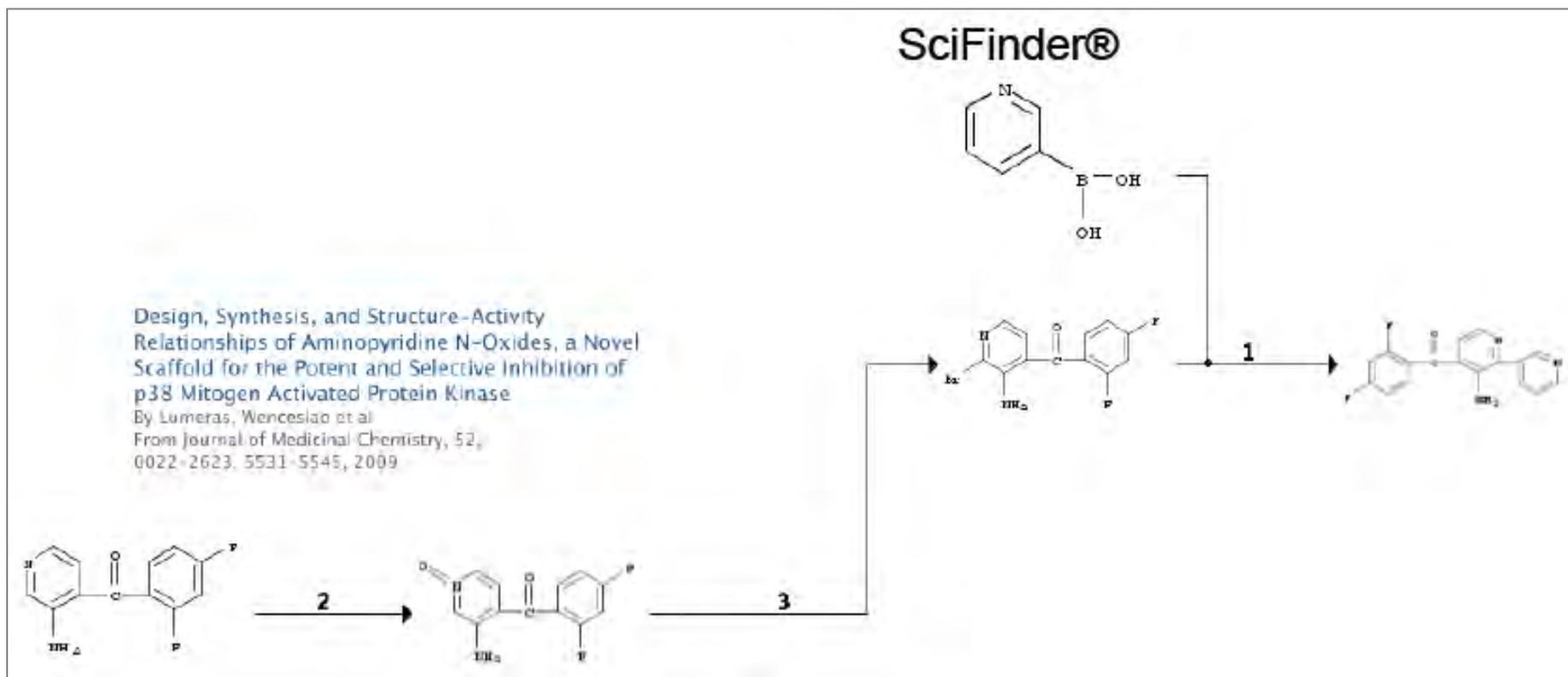
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Exporte su proyecto con toda la información seleccionada



Exporte su proyecto con toda la información seleccionada

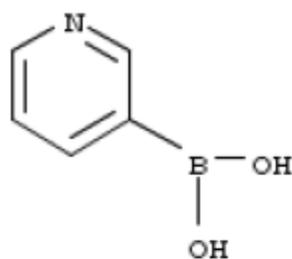


		SciFinder®	Page 2
Reaction Information			
Reaction	Stages	Notes	Yield
1	1.1 R:Cs ₂ CO ₃ , C:95484-05-4, S:H ₂ O, S:Dioxane, 18 h, 100°C 1.2 R:H ₂ O, cooled References Preparation of pyridin-3-amine derivatives as p38 mitogen-activated protein kinase inhibitors By Vidal Juan, Bernat et al From PCT Int. Appl., 2007096072, 30 Aug 2007 Experimental Procedure General/Typical Procedure: [3-Amino-2-(2-methylphenyl)pyridin-4-yl](phenyl)methanone (3-Amino-2,3'-bipyridin-4-yl)(2,4-difluorophenyl)methanone Obtained as a solid (78%) from the title compound of Preparation 2 and 3-pyridyl boronic acid following the experimental procedure described in Example 3 (18 h at 100° C). LRMS (m/z): 312 (M+1) ⁺ . Retention Time: 12 min. H1-NMR δ (CDCl ₃): 6.39 (brs, 2H), 6.90-7.10 (m, 2H), 7.18 (dd, J=4 and 6 Hz, 1H), 7.46-7.60 (m, 2H), 8.00-8.05 (m, 1H), 8.06 (d, J=6 Hz, 1H), 8.72 (bs, 1H), 8.97 (bs, 1H).	Suzuki coupling, Reactants: 2, Reagents: 2, Catalysts: 1, Solvents: 2, Steps: 1, Stages: 2 76%	
2	1.1 R:mCPBA, S:CH ₂ Cl ₂ , 0°C; overnight, rt References Design, Synthesis, and Structure-Activity Relationships of Aminopyridine N-Oxides, a Novel Scaffold for the Potent and Selective Inhibition of p38 Mitogen Activated Protein Kinase By Lumeras, Wenceslao et al From Journal of Medicinal Chemistry, 52(17), 5531-5545; 2009 Experimental Procedure General/Typical Procedure: General Method for the Synthesis of (3-Amino-1-oxidopyridin-4-yl)(aryl)methanones 5a-e. (3-Amino-1-oxidopyridin-4-yl)-(phenyl)methanone (5a). To a solution of 4a (800 mg, 4 mmol) in dichloromethane (20 mL) at 0 °C was added portionwise meta-chloroperbenzoic acid (6 mmol) and the reaction mixture was stirred overnight at roomtemperature. Then,more dichloromethane was added (50 mL) and the solution was washed with aqueous sodium bicarbonate 4% (3 x 30 mL) and brine. The organic layer was dried over sodium sulfate and concentrated under reduced pressure to give a residue that was triturated in a mixture of hexane and ethyl acetate (9:1) and filtered to afford 5a (778 mg, 90%) as a yellow solid. (3-Amino-1-oxidopyridin-4-yl)(2,4-difluorophenyl)methanone (5e). This compound was prepared from 4e as described in the synthesis of 5a.Yield: 80%. LCMS(m/z): 283 (M+1) ⁺ . 1H NMR(CDCl ₃ , 300MHz) δ 7.82 (s, 1H), 7.77-7.83 (m, 2H), 7.59-7.69 (m, 2H), 7.34-7.38 (m, 1H), 6.90 (d, J =5 Hz, 1H), 6.58 (brs, 2H).	Reactants: 1, Reagents: 1, Solvents: 1, Steps: 1, Stages: 1 80%	
3	1.1 R:O=PBr ₃ , S:CH ₂ Cl ₂ , rt; 3 h, 80°C; cooled 1.2 R:NH ₃ , S:H ₂ O, cooled, pH 10-11 References	regioselective, Reactants: 1, Reagents: 2, Solvents: 2, Steps: 1, Stages: 2	52%

Exporte toda la información sobre las reacciones: condiciones, procedimientos experimentales, etc

Substance Information

1692-25-7

C₅ H₅ B N O₂

Boronic acid, B-3-pyridinyl-

~1971 References

Reactions

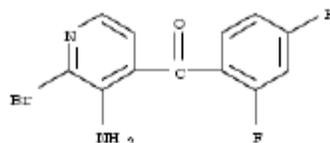
Commercial Sources

Regulatory Information

Link

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947410-36-8

C₁₂ H₇ Br F₂ N₂ O

Methanone, (3-amino-2-bromo-4-pyridinyl)(2,4-difluorophenyl)-

~4 References

Reactions

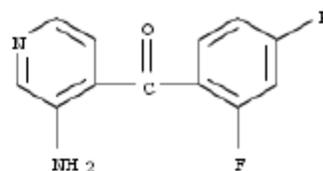
Commercial Sources

Regulatory Information

Link

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947410-39-1

C₁₂ H₆ F₂ N₂ O

Methanone, (3-amino-4-pyridinyl)(2,4-difluorophenyl)-

~4 References

Reactions

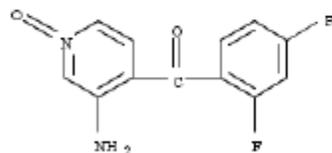
Commercial Sources

Regulatory Information

Link

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947410-40-4

C₁₂ H₆ F₂ N₂ O₂

Methanone, (3-amino-1-oxido-4-pyridinyl)(2,4-difluorophenyl)-

~4 References

Reactions

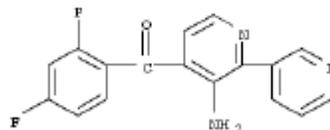
Commercial Sources

Regulatory Information

Link

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947411-29-2

C₁₇ H₁₁ F₂ N₃ O

Methanone, (3-amino[2,3'-bipyridin]-4-yl)(2,4-difluorophenyl)-

~1 References

Reactions

Commercial Sources

Regulatory Information

Link

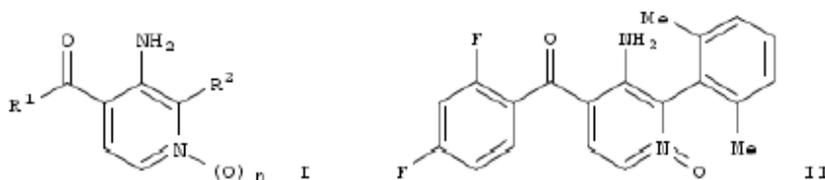
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Exporte toda la información sobre las sustancias.

Preparation of pyridin-3-amine derivatives as p38 mitogen-activated protein kinase inhibitors

By Vidal Juan, Bernat; Caturla Javaloyes, Juan Francisco; Lumeras Amador, Wenceslao; Vidal Gispert, Laura
From PCT Int. Appl. (2007), WO 2007096072 A2 20070830. , Language: English, Database: CAPLUS

Title compds. I [wherein R¹ = (un)substituted monocyclic or polycyclic aryl or heteroaryl; R² = (un)substituted (hetero)aryl or (hetero)cycloalkyl; n = 0 or 1] and pharmaceutically acceptable salts thereof were prepd. as p38 mitogen-activated protein kinase inhibitors. For instance, II was synthesized and showed p38 α inhibition with an IC₅₀ of 6 nM. Therefore, the invented compds. and their pharmaceutical compns. are useful for the treatment of p38-mediated diseases.

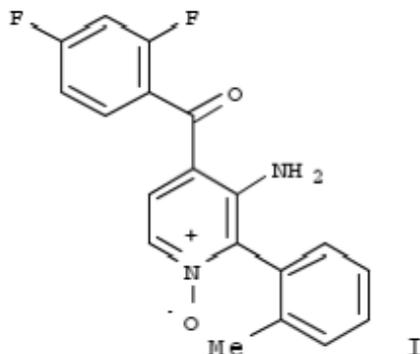


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Design, Synthesis, and Structure-Activity Relationships of Aminopyridine N-Oxides, a Novel Scaffold for the Potent and Selective Inhibition of p38 Mitogen Activated Protein Kinase

By Lumeras, Wenceslao; Caturla, Francisco; Vidal, Laura; Esteve, Cristina; Balague, Cristina; Orellana, Adelina; Dominguez, Maria; Roca, Ramon; Huerta, Josep M.; Godessart, Nuria; Vidal, Bernat
From Journal of Medicinal Chemistry (2009), 52(17), 5531-5545, Language: English, Database: CAPLUS, DOI:10.1021/jm9008604

A novel series of aminopyridine N-oxides, e.g. I, were designed, synthesized, and tested for their ability to inhibit p38 α MAP kinase. Some of these compds. showed a significant redn. in the LPS-induced TNF α prodn. in human whole blood. Structure-activity relationship studies revealed that N-oxide oxygen was essential for activity and was probably a determinant factor for a marked selectivity against other related kinases. Compd. I was identified as a potent and selective p38 α inhibitor with an appropriate balance between potency and pharmacokinetics. In vivo efficacy of I was demonstrated in reducing TNF α levels in an acute murine model of inflammation (ED₅₀ = 1 mg/kg in LPS-induced TNF α prodn. when dosed orally 1.5 h prior to LPS administration). The oral efficacy of I was further demonstrated in a chronic model of adjuvant arthritis in rats with established disease when administered orally (ED₅₀ = 4.5 mg/kg).



Exporte toda la información sobre las referencias: abstracts, bibliografía, etc.

Agenda

- 1. Contenido de SciFinder: bases de datos
- 2. SciFinder ¡Novedades!
- 3. Cómo utilizar SciFinder: demostración *on line*
- 4. Ejemplos de búsquedas:
 - Por tema
 - Por estructura
 - Por reacción
- **5. Cómo aprender más**
 - CAS web page
 - CAS Learning Solutions
- 6. Ayuda y más información

4. Cómo aprender más



- CAS web page: www.cas.org

ACS JOURNALS C&EN CAS

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CAS UPDATES

- CAS adds Intellectual Property Corporation of Malaysia as 62nd patent authority in its patent coverage
- Affordable SciFinder pricing for small companies

CAS Learning Solutions

- Seleccione CAS Learning Solutions...

ACS | Journals | C&EN | CAS

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A division of the American Chemical Society

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CAS Learning Solutions

CAS | **Learning Solutions**
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CAS Learning Solutions is an online resource center where you can find scheduled training events, like e-Seminars, public workshops, and open practice sessions, as well as self study options, like interactive tutorials and quick references.

Whether you are a new searcher or a seasoned pro, CAS Learning Solutions can help you take your skills to the next level.

We invite you to visit [CAS Learning Solutions](#) to learn more.

CAS Learning Solutions

- Si no tiene Login ID: “Create Account”
- Si ya tiene una cuenta: “Login”

The screenshot shows the CAS Learning Solutions website. At the top left is the CAS logo and the text "CAS is a division of the American Chemical Society". To the right is a search bar with a magnifying glass icon and links for "Login" and "Register". Below the header is a navigation menu with "Home", "Learning", "Login", and "Create Account". A central message reads: "Click the Calendar to see upcoming events, or use Search or Browse to find other resources. To register for a live event or to see interactive materials, you will be asked to login." Below this message are three main buttons: "LOGIN" and "CREATE ACCOUNT" (with a green arrow pointing to them), "CALENDAR" (with a calendar icon), and "SEARCH TRAINING" (with a magnifying glass icon). At the bottom, there are two columns: "Getting Started" and "Browse for Training".

Getting Started

Welcome to CAS Learning Solutions! We invite you to explore our full range of instructor-led and self-directed training.

Here is what you can do from this page:

- **Login** - Customers with a CAS Learning Solutions account can register for live events, view all materials, and store favorite resources in their personal library.
- **Create Account** - Customers new to CAS Learning Solutions can create an account. It's fast, easy, and completely free.
- **Calendar** - View upcoming instructor-led events.
- **Search Training** - Find instructor-led and self-directed training by keyword.

Browse for Training

- > SciFinder
- > STN

CAS Learning Solutions

Registration-Global

 **Learning Solutions**
CAS is a division of the American Chemical Society

We are pleased to share CAS' complete portfolio of training resources with you through Learning Solutions!

Please enter the information requested in the fields below. Required fields are marked with an asterisk (*).

* First Name:

* Last Name:

* Email Address:

* Type of organization

Academic
 Corporate
 Government

* Organization:

Phone:

Address 1:

Address 2:

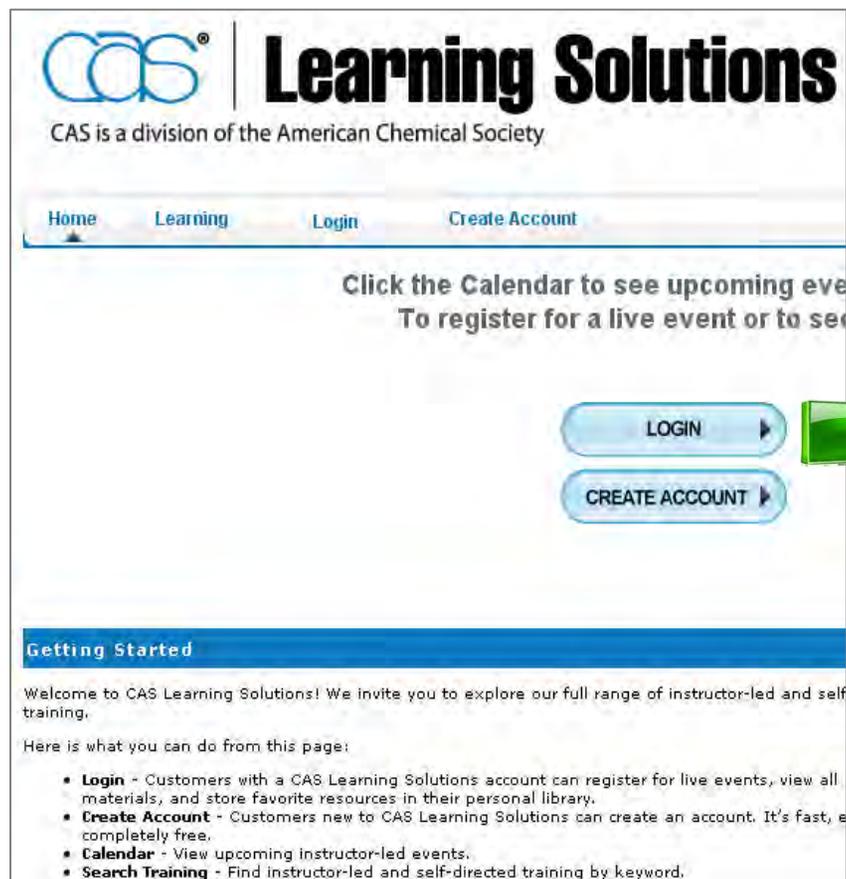


Complete el formulario para crear su Login ID y Password.

No hace falta tener un Login ID de SciFinder

CAS Learning Solutions

- Con el Login ID ... ¡Ya puede entrar en CAS LS!



The screenshot shows the homepage of CAS Learning Solutions. At the top left is the CAS logo and the text "CAS is a division of the American Chemical Society". Below this is a navigation bar with links for "Home", "Learning", "Login", and "Create Account". The main content area features a call to action: "Click the Calendar to see upcoming events" and "To register for a live event or to see...". Below this are two buttons: "LOGIN" and "CREATE ACCOUNT". A green arrow points from the "LOGIN" button to the login form on the right. At the bottom, there is a "Getting Started" section with a welcome message and a list of actions users can take from the page.

CAS Learning Solutions
CAS is a division of the American Chemical Society

Home Learning Login Create Account

Click the Calendar to see upcoming events
To register for a live event or to see...

LOGIN
CREATE ACCOUNT

Getting Started

Welcome to CAS Learning Solutions! We invite you to explore our full range of instructor-led and self-training.

Here is what you can do from this page:

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- **Create Account** - Customers new to CAS Learning Solutions can create an account. It's fast, easy, and completely free.
- **Calendar** - View upcoming instructor-led events.
- **Search Training** - Find instructor-led and self-directed training by keyword.



The screenshot shows the login form on the CAS Learning Solutions website. It features the CAS logo and the text "CAS is a division of the American Chemical Society". The form has a "Login" heading and two input fields: "Username" with the value "mplana_sf" and "Password" with masked characters. Below the password field is a "LOGIN" button with a play icon. At the bottom of the form are links for "Create Account" and "Forgot Password?". The background of the page is a blue molecular structure.

CAS Learning Solutions
CAS is a division of the American Chemical Society

Login

Username: mplana_sf

Password:

LOGIN

Create Account Forgot Password?

4. Cómo aprender más



- CAS Learning Solutions

CAS | **Learning Solutions**
CAS is a division of the American Chemical Society

Login

Username:

Password:

LOGIN

[Create Account](#) [Forgot Password?](#)

- CAS Learning Solutions



Learning Solutions

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[My Account](#) | [Log Out](#)

[Home](#) [Learning](#)

Welcome Miriam Plana to your personal resource center for CAS learning events and materials.



CALENDAR



SEARCH TRAINING



MY SELECTIONS

What's New

Interested in learning more about Reference Searching in SciFinder?

For quick and easy access to a set of recommended resources, click to add the [Reference Searching](#) curriculum to your personal library. This collection contains SciFinder learning resources that explain the various tools and techniques that you can use to search, analyze, and share references. You can launch the resources that interest you in any

Browse for Training



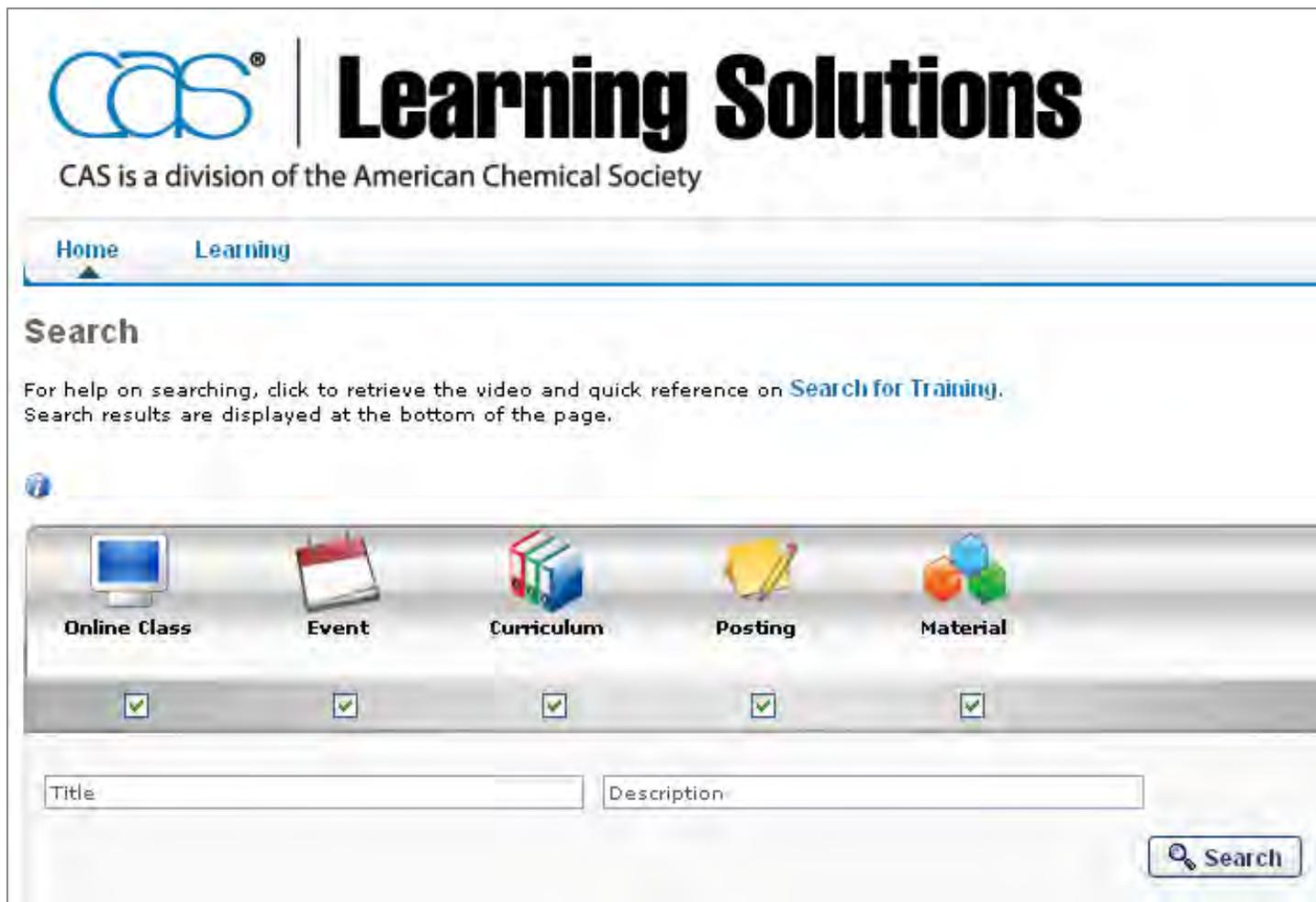
- [CAS Learning Solutions](#)
- [All SciFinder Topics](#)
- [Overview and New Features](#)
- [Reference Searching](#)

My Upcoming Sessions



No sessions scheduled

- CAS Learning Solutions



The screenshot shows the CAS Learning Solutions website. At the top left is the CAS logo, followed by the text "CAS is a division of the American Chemical Society". The main heading is "Learning Solutions". Below this is a navigation bar with "Home" and "Learning" links. A "Search" section follows, with a text prompt: "For help on searching, click to retrieve the video and quick reference on [Search for Training](#). Search results are displayed at the bottom of the page." Below the search section is a horizontal menu with five categories: "Online Class" (with a computer icon), "Event" (with a calendar icon), "Curriculum" (with a binder icon), "Posting" (with a notepad icon), and "Material" (with a 3D molecular model icon). Each category has a small green checkmark icon below it. At the bottom of the page, there are two input fields labeled "Title" and "Description", and a "Search" button with a magnifying glass icon.

Acceso a clases on-line, eventos, curriculums, materiales.... etc.

- CAS Learning Solutions

The screenshot displays the CAS Learning Solutions website interface. At the top left is the CAS logo and the text "Learning Solutions" with the tagline "CAS is a division of the American Chemical Society". A search bar is located at the top right with a "Log Out" link. A navigation menu includes "Home", "Learning", and "Contact Us". Below the menu is a "Search" section with a help link "Search for Training". A horizontal bar contains five categories: "Online Class", "Event", "Curriculum", "Posting", and "Material", each with a checkmark. Below this is a search input field containing "SciPlanner" and a "Search" button. A pink arrow points from the search input field to a dropdown menu that has appeared, showing "SciPlanner" as a result. The bottom left corner features the "Cornerstone" logo with the text "ON DEMAND Empowering People U.S."

CAS Learning Solutions
CAS is a division of the American Chemical Society

Search [Search] Log Out

Home Learning Contact Us

Search

For help on searching, click to retrieve the video and quick reference on [Search for Training](#).
Search results are displayed at the bottom of the page.

Online Class Event Curriculum Posting Material

SciPlanner Description [Search]

SciPlanner

Cornerstone ON DEMAND Empowering People U.S.

- CAS Learning Solutions

For a complete course description click on the course title.

Sort By: Title Type Provider



211.403A What's New with SciFinder (Spring 2011) Webex training

(33-minute recorded e-Seminar from April 2011) The latest SciFinder enhancements are presented, including: SciPlanner -- organize, manage, view, and share reference, structure, and reaction information in one location. Sort reference answer sets by number of citations. Copy and paste structures into the SciFinder structure editor. Addition of citations to MEDLINE records.



211.403B What's New with SciFinder (Spring 2011) Chemical Abstracts Service

This slide presentation (PDF, 2.12 MB) accompanies the recorded seminar, "What's New with SciFinder (Spring 2011)." The latest SciFinder enhancements are presented, including: SciPlanner -- organize, manage, view, and share reference, structure, and reaction information in one location. Sort reference answer sets by number of citations. Copy and paste structures into the SciFinder structure editor. Addition of citations to MEDLINE records.



241.420A SciFinder for Your Synthetic Chemistry Research Webex training

(45-minute recorded e-Seminar from May 2011) Use SciFinder's powerful search and analysis tools to tap into a wealth of chemical synthesis information and streamline your synthesis strategies. In this session, you will learn about: Reaction search capabilities and content available in SciFinder. Relevant synthetic pathways, including how to quickly find alternate and/or similar schemes. Reaction scheme prioritization based on your specific needs. Ways to use retrieved information to support your



241.420B SciFinder for Your Synthetic Chemistry Research Chemical Abstracts Service

This slide presentation (PDF, 2.41 MB) accompanies the recorded seminar, "SciFinder for Your Synthetic Chemistry Research." In this presentation, you will learn about: Reaction search capabilities and content available in SciFinder. Relevant synthetic pathways, including how to quickly find alternate and/or similar schemes. Reaction scheme prioritization based on your specific needs. Ways to use retrieved information to support your synthetic planning efforts (e.g., commercial availability of st

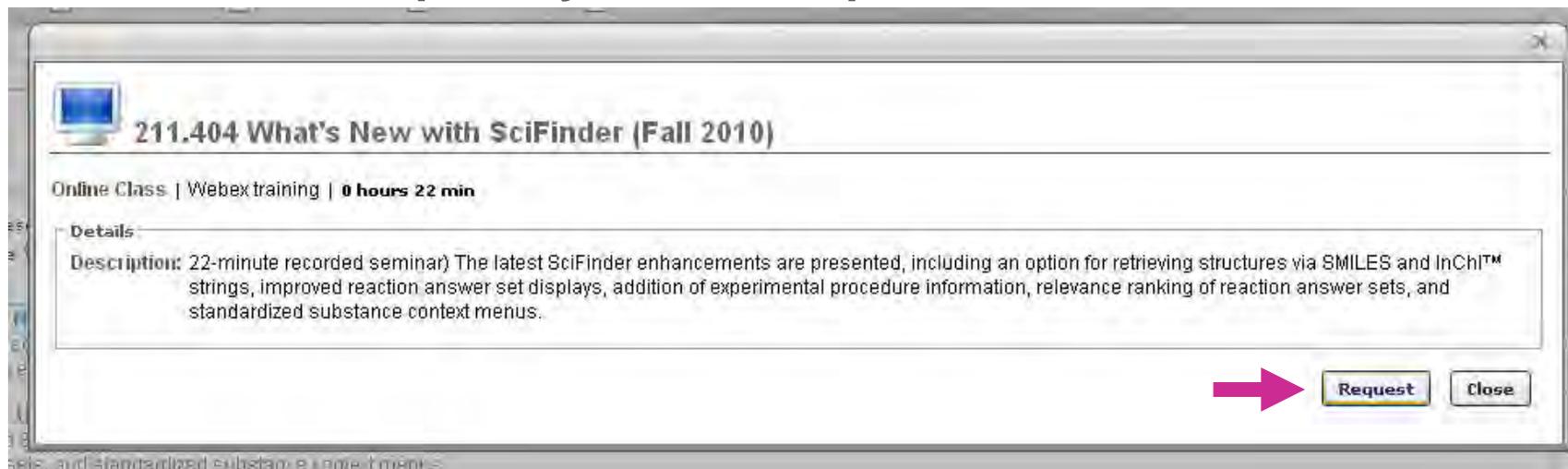


245.175 Plan a Synthesis Project CAS

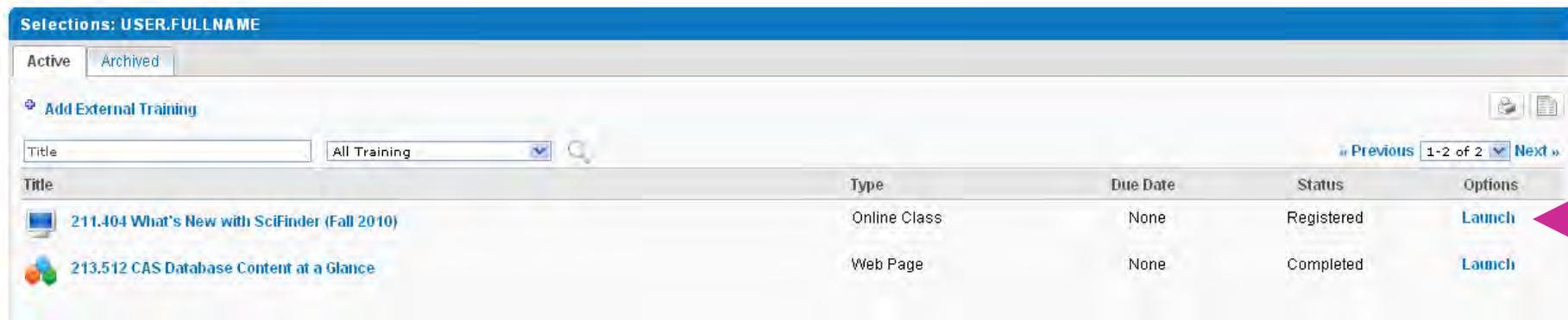
(15-minute interactive tutorial) SciPlanner provides an interactive workspace where you can organize your search results and plan your work. You will be shown how to: Send substances, reactions, and references to SciPlanner. Initiate searches from within SciPlanner. Merge reactions into a synthetic plan. Retrieve references for selected reactions. Export SciPlanner contents.

- CAS Learning Solutions

Seleccionar una opción y clicar „Request“



Clicar „Launch“ para ver la formación seleccionada.



- CAS Learning Solutions

My Selections: vea sus selecciones y revise sus trainings

Transcript

Active Archived

+ Add External Training  

Title All Training « Previous 1-11 of 11 Next »

Title	Type	Due Date	Status	Options
 241.420A SciFinder for Your Synthetic Chemistry Research	Online Class	None	Registered	Launch Manage
 291.450B Benefits and Features of the Web Version of SciFinder	Document	None	Registered	Launch Mark Complete
 211.403B What's New with SciFinder (Spring 2011)	Document	None	Registered	Launch Mark Complete
 223.115 Search for References by Research Topic	Online Class	None	In Progress	Launch
 211.403A Whats New with SciFinder (Spring 2011)	Online Class	None	Registered	Launch Manage
 225.165 Categorize Reference Answer Sets	Online Class	None	In Progress	Launch
 221.110 Introduction to Reference Searching	Online Class	None	In Progress	Launch
 245.175 Plan a Synthesis Project	Online Class	None	In Progress	Launch
 233.145 Find Patent References by Markush Search	Online Class	None	In Progress	Launch
 211.404 What's New with SciFinder (Fall 2010)	Online Class	None	Registered	Launch
 213.512 CAS Database Content at a Glance	Web Page	None	Completed	Launch

4. Cómo aprender más

- CAS Training calendar



Learning Solutions

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Login | Register

[Home](#) [Learning](#) [Login](#) [Create Account](#)

Events Calendar

March, 2011

Su	Mo	Tu	We	Th	Fr	Sa
27	28	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Today: March 18, 2011

Filters

Location
All

Completed Sessions

Display Options

All Sessions

Session Location

March 2011

➔
Day
Week
Month
Agenda

All Events My Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	1	2	3	4	5
	Retrieve Search Term <small>9:30 AM EST - Virtual</small> Increase the Relevanc <small>11:00 AM EST - Virtual</small> STI® Multifile and The <small>1:30 PM EST - Virtual</small>		STI® Structure Search <small>9:00 AM EST - Virtual</small> Review Search Results <small>1:30 PM EST - Virtual</small> Build Search Strategie <small>3:00 PM EST - Virtual</small>		STI Open Practice Ses <small>9:30 AM EST - Virtual</small>	
6	7	8	9	10	11	12
	Search Using Specializ <small>9:30 AM EST - Virtual</small> Conduct Author and C <small>11:00 AM EST</small>	STI Patents & Pizza: R <small>11:45 AM EST - STN Pate</small>	Basic Substance Searc <small>9:00 AM EST - Virtual</small> Retrieve Search Term <small>1:30 PM EST - Virtual</small>	STI Patent Forum: Wh <small>9:00 AM EST - Virtual</small> SciFinder Open Practic <small>3:00 PM EST - Virtual</small>		

Seleccione el training que más le convenga

March 2011

Day Week **Month** Agenda

All Events My Events

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27	28	1	2	3	4	5
	Retrieve Search Term <small>9:30 AM EST - Virtual</small> Increase the Relevanc <small>11:00 AM EST - Virtual</small> STII® Multifile and The <small>1:30 PM EST - Virtual</small>		STII® Structure Search <small>9:00 AM EST - Virtual</small> Review Search Results <small>1:30 PM EST - Virtual</small> Build Search Strategi <small>3:00 PM EST - Virtual</small>		STII Open Practice Ses <small>9:30 AM EST - Virtual</small>	
6	7	8	9	10	11	12
	Search Using Specializ <small>9:30 AM EST - Virtual</small> Conduct Author and C <small>11:00 AM EST</small> Beginning Patent Sear <small>1:30 PM EST - Virtual</small>	STII Patents & Pizza: R <small>11:45 AM EST - STN Pate</small>	Basic Substance Sear <small>9:00 AM EST - Virtual</small> Retrieve Search Term <small>1:30 PM EST - Virtual</small> Value of Patent Inform <small>2:00 PM EST - Virtual</small>	STII Patent Forum: Wh <small>9:00 AM EST - Virtual</small> SciFinder Open Practic <small>3:00 PM EST - Virtual</small>		
13	14				18	19
	Search Bibliographic D <small>9:30 AM EST - Virtual</small> Review Search Results <small>11:00 AM EST - Virtual</small> STII® Structure Search <small>1:30 PM EST - Virtual</small>	SciFinder Open Practice Session 3/18 - 3/18 9:30 AM - 11:30 AM EST Virtual Explore SciFinder's web interface during this open practice session: Sign up for a two-hour session and come and go as you please. Use CAS computers, software, and login IDs to practice and hone your searching and analysis skills. Build confidence in locating information you need. Tak...			SciFinder Open Practic <small>9:30 AM EST - Virtual</small>	

Agenda

- 1. Contenido de SciFinder: bases de datos
- 2. SciFinder ¡Novedades!
- 3. Cómo utilizar SciFinder: demostración *on line*
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 - Por tema
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 - CAS Learning Solutions
- 6. Ayuda y más información

5. Ayuda y más información

CAS Customer Center

- Soporte técnico
- Estrategias de búsquedas
- *Account services*



CAS Learning Solutions

- *Training events*
- *Self-study options*
- *Learning paths*

- Para cualquier duda...

Dr. Míriam Plana (mplana@cas.org)

(help@cas.org)

- Página web de CAS: <http://www.cas.org>
- Página web de myCAS: <https://my.cas.org>

- ¿Dudas / ideas / comentarios?



¡Muchísimas gracias por vuestra atención!



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