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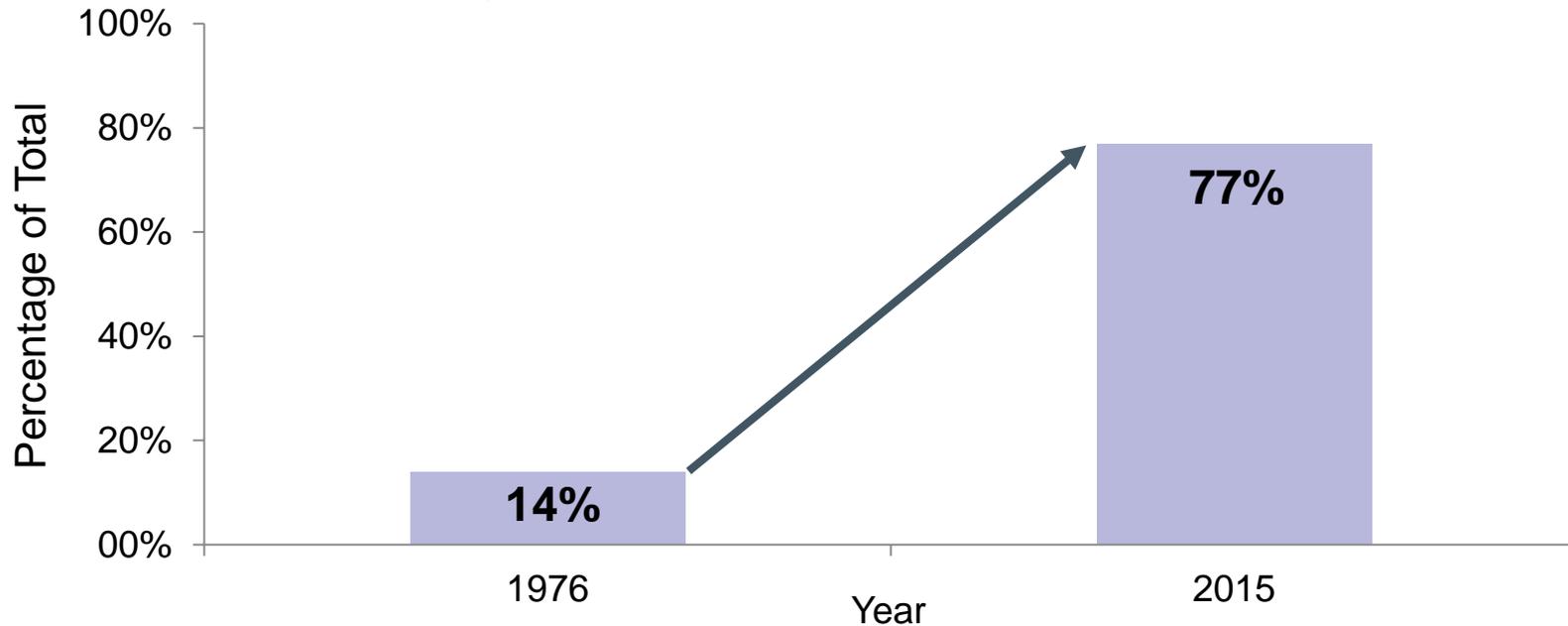


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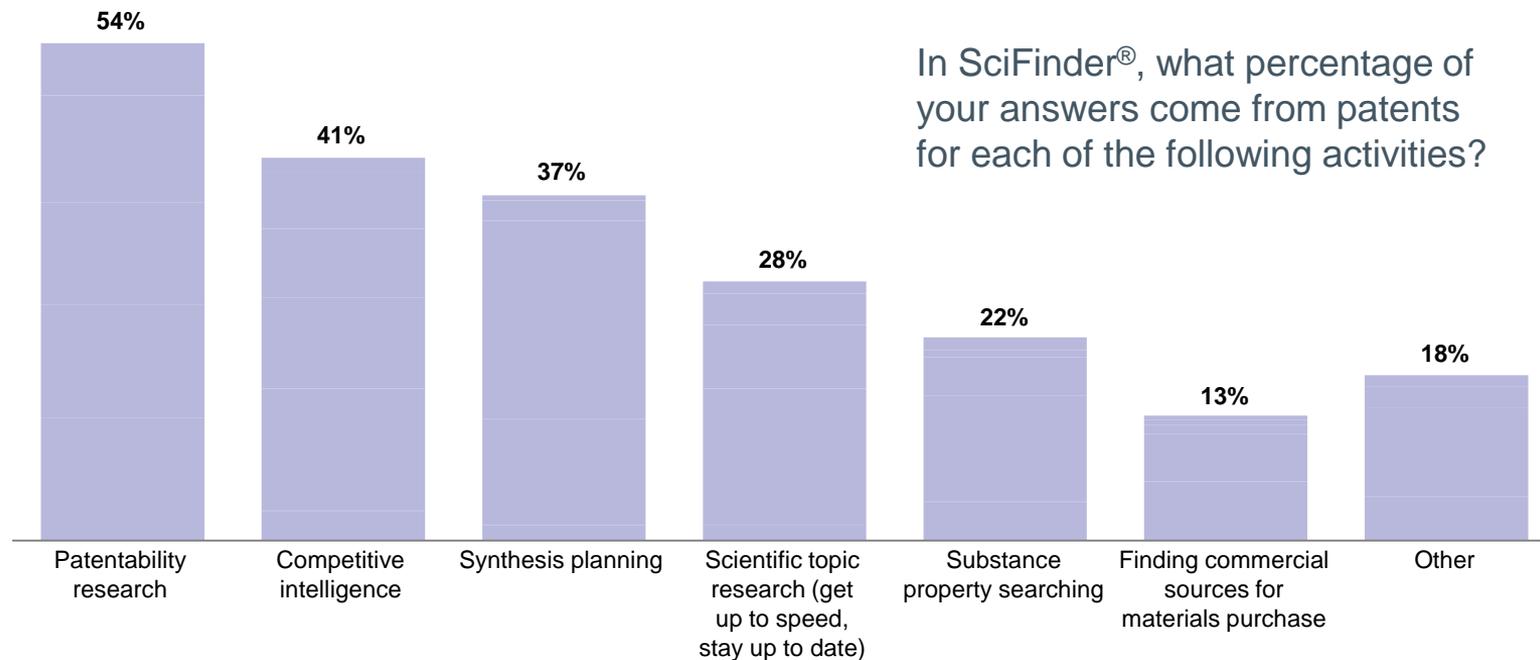
First, let's review the importance of patents in scientific research

New compounds are usually first described in patents

Percentage of New Compounds from Patents



Patents play a vital role in most research activities



Source: September 2014 SciFinder Patent User Survey

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WO 2010/092287

PCT/FR2010/050204

DERIVES DE N-[(6-AZA-BICYCLO[3.2.1]OCT-1-YL)-ARYL-METHYL]-BENZAMIDE, LEUR PREPARATION ET LEUR APPLICATION EN THERAPEUTIQUE

La présente invention se rapporte à des dérivés de N-[(6-aza-bicyclo[3.2.1]oct-1-yl)-aryl-méthyl]-benzamide, à leur préparation et leur application en thérapeutique, dans le traitement ou la prévention de maladies impliquant les transporteurs de la glycine Glyt1.

Les composés de l'invention répondent à la formule générale (I)

10

Quick View

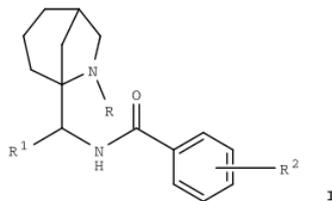
Preparation of N-[(6-azabicyclo[3.2.1]oct-1-yl)(aryl)methyl]benzamide derivatives as inhibitors of glycine transporters glyt1

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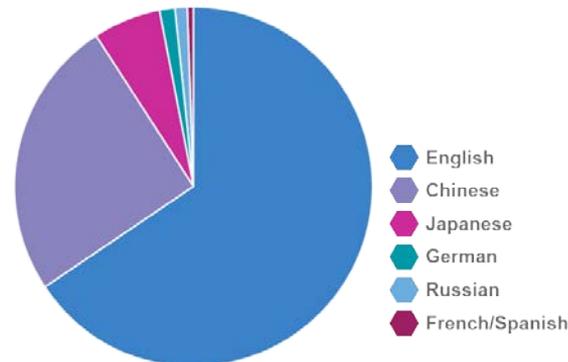
by Darigazani, Ghadir; Esterline-Bourlido; Genevieve; Medasko; Florence
From PCT Int. Appl. (2010), WO 2010092287 A1 Aug 19, 2010. | Language: French, Database: CAPLUS

The invention also relates to the therapeutic use thereof and to a method for synthesizing same. Title compds. I [R = H, (un)substituted alkyl, cycloalkyl; R1 = (un)substituted Ph, naphthyl; R2 = H, halo, CN, heteroaryl, etc.; and their acid addn. salts] were prepd. as inhibitors of glycine transporters glyt1. Thus, reaction of 6-((R)-1-phenylethyl)-6-azabicyclo[3.2.1]octane-5-carbonitrile with phenyllithium, cleavage of the 1-phenylethyl group, amidation of 2,6-dichloro-3-trifluoromethylbenzoic acid with the resulting amine and acidulation with HCl gave II. I inhibited glycine transport via glyt1 and displayed an IC50 in the range of 0.001 to 10 µM in vitro.

Reference Images Substance Images



Original publication languages not in English **35%**



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What is



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Why do scientists need



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How does



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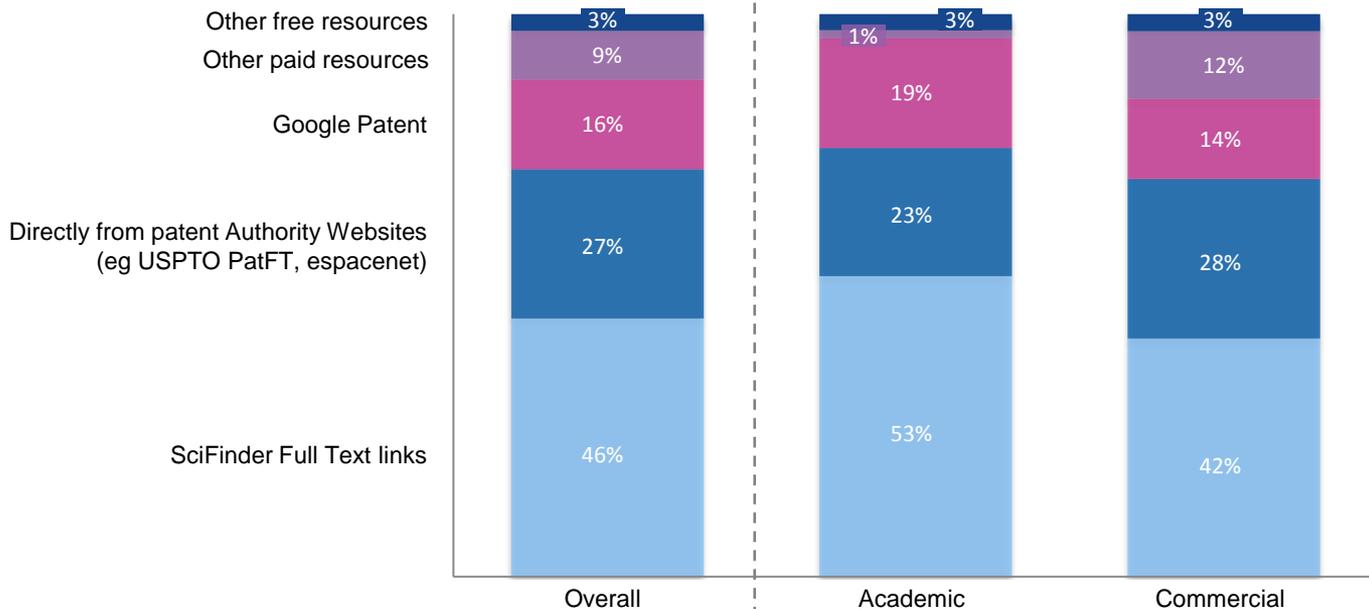
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 - Direct links to substance information from SciFinder search results
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 - Serendipitous browsing through the important chemistry in the patent
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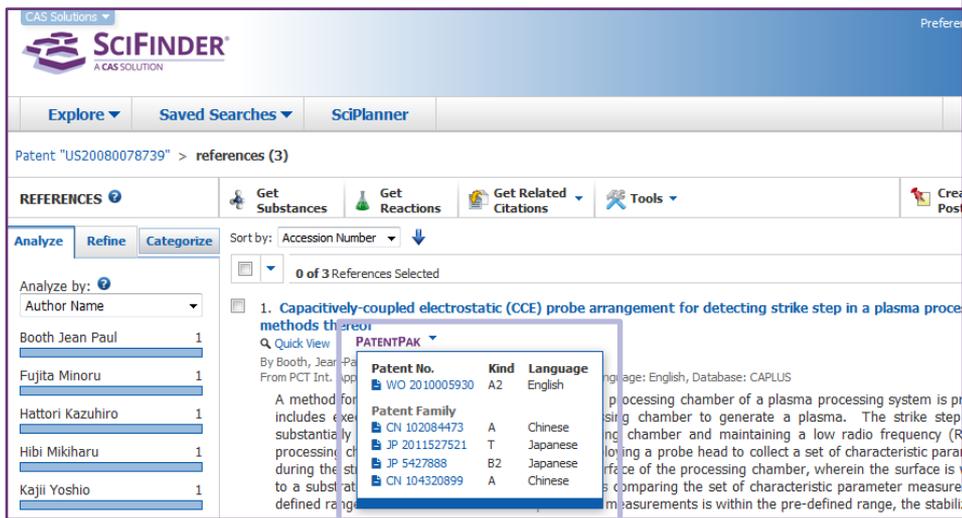
Scientists currently have to surf the internet to acquire their patent documents



Source: September 2014 SciFinder Patent User Survey

Wouldn't it be nice to click immediately to the patent document?

- Avoid being relegated to hard to use third-party web sites
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Patent "US20080078739" > references (3)

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0 of 3 References Selected

Analyze by: Author Name

Author Name	Count
Booth Jean Paul	1
Fujita Minoru	1
Hattori Kazuhiro	1
Hibi Mikiharu	1
Kajii Yoshio	1

1. **Capacitively-coupled electrostatic (CCE) probe arrangement for detecting strike step in a plasma processing chamber**

Q Quick View

By Booth, Jean Paul
From PCT Int. App.

A method for detecting a strike step in a plasma processing chamber includes exposing a probe to a substrate during the strike step. The probe is positioned to a substantially defined range of the surface of the substrate. The probe is used to measure a characteristic parameter of the surface of the substrate. The probe is used to compare the set of characteristic parameter measurements to a set of characteristic parameter measurements within the pre-defined range, the stabilized plasma exists.

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Patent No.	Kind	Language
WO 2010005930	A2	English
CN 102084473	A	Chinese
JP 2011527521	T	Japanese
JP 5427888	B2	Japanese
CN 104320899	A	Chinese

Language: English, Database: CAPLUS

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H01L 21/3065 (2006.01)

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(22) International Filing Date:
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(25) Filing Language: English

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(74) Agent: **NGUYEN, Joseph, A.**; P.O. Box 700640, San Jose, CA 95170 (US).

(84) Designated States (unless otherwise indicated, for every kind of national protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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*Mona Aasmul, Ph.D.
CAS Senior Scientific Information Analyst*



Links to key substances in the patent allow scientists to get directly to what matters most in no time at all



links
to the actual location
in the patent
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1636182-64-3P	Page 127 in PATENTPAK
prepn. of triazinane trione derivs. and comps. thereof useful for treatment of diseases	
Biological use, unclassified; Cosmetic use; Food or feed use; Other use, unclassified; Pharmacokinetics; Synthetic preparation; Therapeutic use; Biological study; Preparation; Uses	
37-68-3P Cholesterol; preparation	
1626333-91-2P	Page 127 in PATENTPAK
1636182-62-1P	Page 127 in PATENTPAK
1636182-63-2P	Page 127 in PATENTPAK
1636182-65-4P	Page 127 in PATENTPAK
1636182-66-5P	Page 128 in PATENTPAK
1636182-67-6P	Page 128 in PATENTPAK
1636182-68-7P	Page 128 in PATENTPAK
1636182-69-8P	Page 128 in PATENTPAK
prepn. of triazinane trione derivs. and comps. thereof useful for treatment of diseases	
Biological use, unclassified; Cosmetic use; Food or feed use; Other use, unclassified; Synthetic preparation; Therapeutic use; Biological study; Preparation; Uses	

The screenshot displays the PATENTPAK interface. On the left, a sidebar lists 'Key Substances in Patent' with entries for CAS RN 1626333-91-2, CAS RN 1636182-65-4, CAS RN 2451142-9-9, and CAS RN 351611-70-7. Each entry includes a chemical structure and a 'View Detail' link. The main content area shows a detailed view of a compound, including its chemical structure, a reaction scheme (Scheme 7), and NMR data for compounds 1-1 through 1-6. The interface also features navigation controls like 'PAGE 127 / 151', 'ZOOM', and 'DOWNLOAD PDF'.



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Key Substances in Patent

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Analyst Markup Location
page 127

CAS RN 1626333-91-2

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CAS RN 1636182-65-4

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page 127

CAS RN 2451-62-9

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page 127

Visually link the substance from the CAS annotation to the patent text

Search SciFinder from substances identified in the patent text

Navigate through chemistry found in the patent

PCT/US2014/06355

Scheme 1 Exemplary synthesis of certain components of Formula (I), wherein R³ and R⁴ are as described herein.

[00269] In one set of experiments, a mixture of compounds 1 and 4 in D₂O was irradiated in the microwave oven at 150 °C for 5 h. The reaction mixture was purified by ash column chromatography to yield a compound of Formula (I). Compound

[00270] **Compound 1-1:** ¹H NMR (500 MHz, CDCl₃) δ 4.08-4.13 (m, 3H), 3.99-4.01 (m, 3H), 3.84-3.88 (m, 3H), 2.30-2.48 (m, 12H), 2.24 (s, 9H), 1.27-1.44 (m, 24H), 0.88 (t, J = 7.0 Hz, 9H). HRMS (ESI) calcd for C₂₆H₃₆N₂O₄ [M+H]⁺ 443.5122, found 443.5203.

[00271] **Compound 1-2:** ¹H NMR (500 MHz, CDCl₃) δ 4.08-4.13 (m, 3H), 3.98-4.00 (m, 3H), 3.83-3.85 (m, 3H), 2.33-2.47 (m, 12H), 2.24 (s, 9H), 1.26-1.46 (m, 36H), 0.88 (t, J = 7.0 Hz, 9H). HRMS (ESI) calcd for C₂₆H₃₆N₂O₄ [M+H]⁺ 443.5122, found 443.5116.

[00272] **Compound 1-3:** ¹H NMR (500 MHz, CDCl₃) δ 4.08-4.13 (m, 3H), 3.99-4.00 (m, 3H), 3.84-3.87 (m, 3H), 2.30-2.47 (m, 12H), 2.24 (s, 9H), 1.26-1.44 (m, 60H), 0.88 (t, J = 7.0 Hz, 9H). HRMS (ESI) calcd for C₃₁H₄₄N₂O₄ [M+H]⁺ 505.7934, found 505.7937.

[00273] **Compound 1-4:** ¹H NMR (500 MHz, CDCl₃) δ 4.08-4.11 (m, 3H), 3.98-3.99 (m, 3H), 3.84-3.87 (m, 3H), 2.33-2.45 (m, 12H), 2.24 (s, 9H), 1.25-1.44 (m, 96H), 0.88 (t, J = 7.0 Hz, 9H). HRMS (ESI) calcd for C₃₁H₄₄N₂O₄ [M+H]⁺ 505.7934, found 505.7937.

[00274] **Compound 1-5:** ¹H NMR (500 MHz, CDCl₃) δ 4.08-4.13 (m, 3H), 3.93-3.95 (m, 3H), 3.84-3.87 (m, 3H), 2.33-2.45 (m, 12H), 2.24 (s, 9H), 1.25-1.44 (m, 96H), 0.88 (t, J = 7.0 Hz, 9H). HRMS (ESI) calcd for C₃₁H₄₄N₂O₄ [M+H]⁺ 505.7934, found 505.7937.

125941

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Patent Information		
Patent No.		Kind Language
US 20130344061	 PATENTPAK	A1
US 8828998	 PATENTPAK	B2 English
CA 2877874		A1
WO 2014004470	 PATENTPAK	A1 English
EP 2863902		A1
US 20140343057	 PATENTPAK	A1 English



What do customers think about



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so far ?



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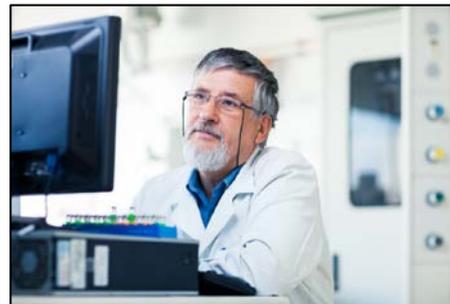
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