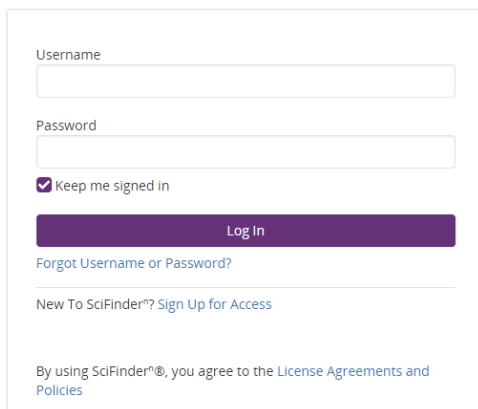


Quick Reference Guide: SciFinderⁿ

Log In

- Go to the SciFinderⁿ Log In page: <https://scifinder-n.cas.org>
- Log In using your existing SciFinder username and password.
 - First-time commercial users may self-register.



Username

Password

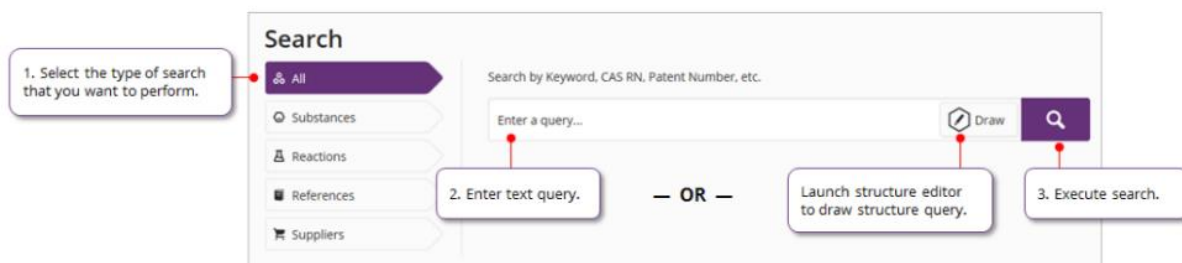
☒ Keep me signed in

[Forgot Username or Password?](#)

New To SciFinder? [Sign Up for Access](#)

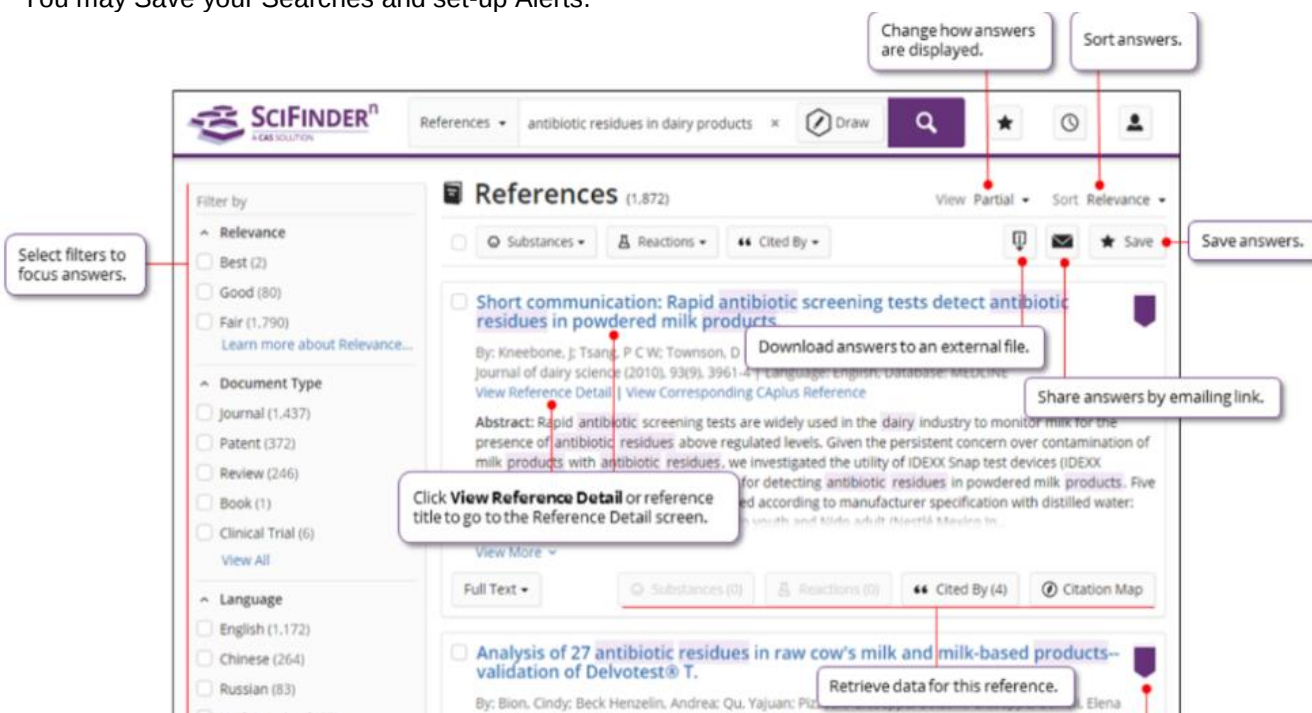
By using SciFinder[®], you agree to the [License Agreements and Policies](#)

Search SciFinderⁿ: SciFinderⁿ features a streamlined search interface.



References: The References display features visualizations, dynamic facets and an easy-to-use layout.

- References are ranked and sorted by Relevance to determine Best, Good and Fair collections.
- Full text acquisition options are available on the reference page
- You may Save your Searches and set-up Alerts.



- Click on the Reference Title (see the image above) to view the Reference's record details including bibliographic information, publication history, indexing, graphs and more.

Go to References screen.

Retrieve data for reference.

Access an interactive version of the patent PDF that highlights the specific location of indexed substances.

View previous or next reference.

Access map of references this document cites, and references that cite this document.

Download, email, or save reference.

Access other full-text options.

PDF displays original patent PDF.
PDF+ displays patent PDF with table of important chemistry.
Viewer displays interactive version of PDF in PatentPak Viewer.

Click to view patent family member on Reference Detail screen.

Expand to view concepts that characterize the general subject matter of the document.

Expand to view substances associated with document.

Expand to view citations from this document.

Reference Detail (5 of 4,015)

Substances (12) Reactions (0) Cited By (1) PATENTPAK Viewer Citation Map

Patent

Patent Information

Patent Number
WO2015058034

Publication Date
2015-04-23

Application Number
WO2014-US61038

Application Date
2014-10-17

Kind Code
A1

Assignee

The Regents of the University of Colorado, A Body Corporate, United States

Source

World Intellectual Property Organization

Database Information

AN: 2015:690500
CAN: 162:544597
CAplus

Language

English

Use of tyrosine kinase inhibitor in cancer treatment

By: Reyland, Mary E.; Wie, Sten; Degregori, James

Abstract: The invention provides methods for reducing apoptosis of non-cancerous cells during a cancer treatment and beneficial effects associated with reducing such apoptosis. In particular, methods of the invention comprise administering a tyrosine kinase inhibitor to a cancer patient who is undergoing cancer treatment in order to reduce apoptosis of non-cancerous cells. In another aspect of the invention the tyrosine kinase inhibitor is selected from the group consisting of dasatinib, imatinib, ponatinib, saracatinib, and a combination thereof.

Figure A: Timeline of experimental procedure.

Time Point	Treatment	Action
0 hr	+TKI	Collect Saliva
1 hr	+IR	
4 hr	+TKI	
30 Days		Collect Saliva
60 Days		
90 Days		

Figure B: Saliva Flow / Weight vs Days Following Radiation (0, 63, 90 days).

Days Following Radiation	Control	Dasatinib	IR	IR + Dasatinib
0	~2.0	~2.0	~2.0	~2.0
63	~1.8	~1.8	~1.2	~1.5
90	~1.8	~1.8	~1.0	~1.5

Figure C: Saliva Flow / Weight vs Days Following Radiation (0, 60 days).

Days Following Radiation	Control	Imatinib	IR	IR + Imatinib
0	~1.8	~1.8	~1.8	~1.8
60	~1.8	~1.8	~1.2	~1.5

Figure D: Saliva Flow / Weight vs Days Following Radiation (0, 30 days).

Days Following Radiation	Control	Bosutinib	IR	IR + Bosutinib
0	~1.8	~1.8	~1.8	~1.8
30	~1.8	~1.8	~1.2	~1.5

Patent Family

Patent	Language	Kind Code	PatentPak Options	Publication Date	Application Number	Application Date
WO2015058034	English	A1	PDF PDF+ Viewer	2015-04-23	WO2014-US61038	2014-10-17
		P			US2013-61893132P	2013-10-18
US20160228436	English	A1	PDF	2016-08-11	US2016-1515029617	2016-04-14

Concepts

Substances

Citations (2)

Substance Role: Pharmacological Activity (7)

Substance	Chemical Structure	SMILES	Source
943319-70-8		<chem>C20H12F3N4O</chem>	PatentPak
380843-75-4		<chem>C20H12Cl2N4O3</chem>	PatentPak
379231-04-6		<chem>C22H12ClN4O3</chem>	PatentPak

Substance Role: Therapeutic Use (7)

● **Substances:** A Substance search returns results in an intuitive layout. The display highlights most relevant hits, critical property information and high-resolution images of structures.

- Click on View Detail to display the Substance's record detail.

The screenshot shows the SciFinder Substances search results page. Annotations include:

- Retrieve data related to answers.** (points to the top search bar)
- Download answers to an external file.** (points to the top right download icon)
- Change how answers are displayed.** (points to the top right view options)
- Select type of structure match.** (points to the left sidebar filters)
- Select filters to focus answers.** (points to the left sidebar filters)
- Share answers by emailing link.** (points to the top right email icon)
- Save answers.** (points to the top right save icon)
- Retrieve data for substance.** (points to the substance detail view)
- Go to Substance Detail screen.** (points to the 'View Detail' link for a substance)
- View Key Physical Properties on Substance Detail screen.** (points to the physical properties table)

● **Reactions:** A Reaction Search displays relevant Reaction Schemes. A Scheme contains reactions with the same Reagents and Products.

- Expand the Scheme, and click View Reaction Detail to details of the reaction.

The screenshot shows the SciFinder Reaction Detail page. Annotations include:

- Go to Reactions screen.** (points to the top left navigation bar)
- View previous or next reaction.** (points to the top right navigation bar)
- Download answers to an external file.** (points to the top right download icon)
- Share answers by emailing link.** (points to the top right email icon)
- Save data.** (points to the top right save icon)
- View reaction reference on Reference Detail screen.** (points to the reference information section)
- View full-text PDF for the patent reference or Patent Family members.** (points to the patent information section)
- Access other full-text options.** (points to the patent information section)
- Click any substance image or name to display substance menu. Use menu options to view substance details (CAS Registry Number), zoom image (magnifier), retrieve associated information (Reactions, Suppliers, References), or copy substance to editor (Edit Substance).** (points to the substance image in the reaction scheme)
- Retrieve suppliers for substance.** (points to the suppliers list for a substance in the reaction scheme)

History: SciFinderⁿ allows you to find and rerun previous searches.

The screenshot shows the SciFinderⁿ interface. At the top, there is a navigation bar with the SciFinderⁿ logo, a search bar, and icons for Draw, Search, Saved Searches, and User. A callout box labeled "Search history" points to the clock icon. Below the navigation bar, the "Search History" section is titled "(859)". On the left, there is a "Filter by" sidebar with "Search Type" (All (23), Substances (542), Reactions (258), Retrosynthesis (9), References (850), Suppliers (27)) and "Date" (Start Date, End Date, mm/dd/yyyy to mm/dd/yyyy). A calendar for April 2018 is also visible. The main content area lists search history entries grouped by date. Callout boxes point to the "Search history" icon and the "Saved Searches" button. The entries include:

- April 25, 2018, 5:19 PM: References: theory of relativity (1.5M) [Rerun Search]
- April 24, 2018, 4:36 PM: References: Advanced Search (745) Author: Laird, E. [Rerun Search]
- April 19, 2018, 1:25 PM: Retrosynthesis: [Chemical structure] Synthetic Depth: 3, Rules Supporting Predictions: Uncommon, Break & Protect Bonds: No [Open Plan Complete]
- April 19, 2018, 1:20 PM: Retrosynthesis: [Chemical structure] Synthetic Depth: 4, Rules Supporting Predictions: Uncommon, Break & Protect Bonds: No [Open Plan Complete]
- April 17, 2018, 1:16 PM: [Empty entry]

Note: At the bottom of each SciFinderⁿ page is "Help" to provide additional guidance.

For additional help using SciFinderⁿ please contact the CAS Customer Center

Hours: 8 a.m. to 6 p.m. Monday - Friday, U.S. Eastern Time

Phone: 614-447-3700

Option 2: General Information or account-related questions

Option 3: Assistance with search strategies, database content, or using a product

Option 4: Technical assistance with software setup, installation, and configuration

Email: help@cas.org

Internet: www.cas.org/contact-us/cas-customer-center

If desired, ask for a SciFinderⁿ Familiarization Training Session visit or online session.