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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 treatment and salivary collection.

Figure B: Salivary Flow / Weight vs Days Following Radiation (0, 63, 90 days). Legend: Control, Dasatinib, IR, IR + Dasatinib.

Figure C: Salivary Flow / Weight vs Days Following Radiation (0, 60 days). Legend: Control, Imatinib, IR, IR + Imatinib.

Figure D: Salivary Flow / Weight vs Days Following Radiation (0, 30 days). Legend: Control, Bosutinib, IR, IR + Bosutinib.

Full Text

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 (12)

Substance Role: Pharmacological Activity (7)

- 943319-70-8
C20H27N5O
Benzamide, 3-(2-imidazo[1,2-b]pyridazin-3-ylethynyl)-...
PatentPak
- 380843-75-4
C20H20Cl2N4O3
3-Quinolincarbonitrile, 4-[[2,4-dichloro-5-methoxy-...
PatentPak
- 379231-04-6
C22H22ClN4O3
4-Quinazolinamine, N-(5-chloro-1,3-benzodioxol-4-yl)-...
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 interface for a substance search. Callouts highlight the following features:

- Retrieve data related to answers.** (Top navigation bar)
- Download answers to an external file.** (Top navigation bar)
- Change how answers are displayed.** (Top navigation bar)
- Select type of structure match.** (Left sidebar: As Drawn (1), Substructure (6))
- Select filters to focus answers.** (Left sidebar: Commercial Availability, Reaction Role, Reference Role, Number of Components, Substance Class, Molecular Weight)
- Go to Substance Detail screen.** (Bottom callout pointing to 'View Detail' buttons)
- Retrieve data for substance.** (Bottom callout pointing to 'View Detail' buttons)
- View Key Physical Properties on Substance Detail screen.** (Bottom callout pointing to the properties table)
- Share answers by emailing link.** (Callout pointing to the email icon)
- Save answers.** (Callout pointing to the star icon)

● **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. Callouts highlight the following features:

- Go to Reactions screen.** (Top left callout)
- View previous or next reaction.** (Top right callout)
- Download answers to an external file.** (Top right callout)
- Share answers by emailing link.** (Top right callout)
- Save data.** (Top right callout)
- View reaction reference on Reference Detail screen.** (Middle right callout)
- Retrieve suppliers for substance.** (Middle callout pointing to 'Suppliers' buttons)
- 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).** (Left callout pointing to a substance image)
- View full-text PDF for the patent reference or Patent Family members.** (Bottom middle callout pointing to 'PATENTPAK' dropdown)
- Access other full-text options.** (Bottom right callout pointing to 'Full Text' dropdown)

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

Search history

SciFINDERⁿ CAS SOLUTION

References ▾ Enter a query...

Draw 🔍 ⚙️ 👤

Filter by

Search Type

- All (23)
- Substances (542)
- Reactions (258)
- Retrosynthesis (9)
- References (850)
- Suppliers (27)

Date

Start Date End Date

mm/dd/yyyy to mm/dd/yyyy

April, 2018

SU	MO	TU	WE	TH	FR	SA
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	1	2	3	4	5

Search History (859)

Saved Searches

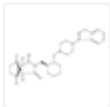
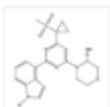
April 25, 2018

- 5:19 PM
 - References: theory of relativity (1.5M) Rerun Search

April 24, 2018

- 4:36 PM
 - References: Advanced Search (745) Rerun Search
 - Author: Laird, E.

April 19, 2018

- 1:25 PM
 - Retrosynthesis:  Synthetic Depth: 3, Rules Supporting Predictions: Uncommon, Break & Protect Bonds: No Open Plan Complete
- 1:20 PM
 - Retrosynthesis:  Synthetic Depth: 4, Rules Supporting Predictions: Uncommon, Break & Protect Bonds: No Open Plan Complete

April 17, 2018

- 1:16 PM

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