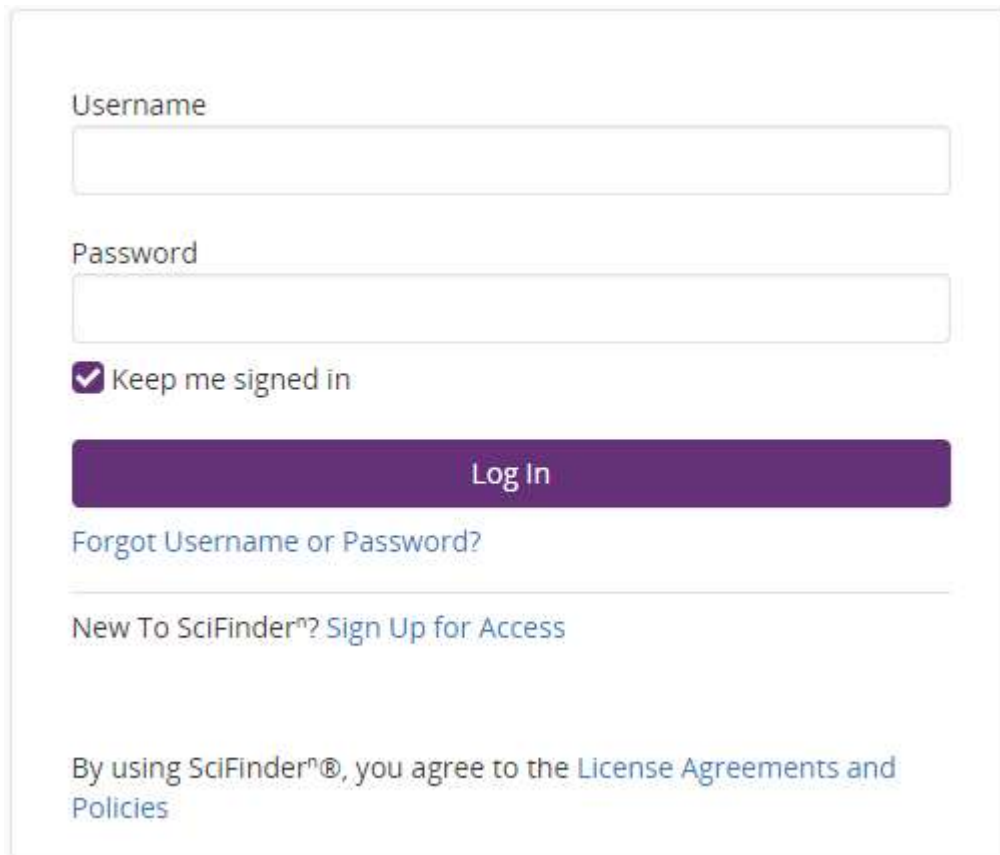


Congratulations on purchasing a license for SciFinder<sup>n</sup>, the world's most trusted and comprehensive chemistry relevance engine in the industry. Here's how to get started:

### Logging to SciFinder<sup>n</sup>


- Go to [SciFinder<sup>n</sup> homepage](https://scifinder-n.cas.org/) (https://scifinder-n.cas.org/)
- Login with your username and password
  - First-time commercial users are able to self-register. You can request additional resources for assistance.



The screenshot shows the SciFinder login interface. It features a 'Username' input field, a 'Password' input field, and a checked 'Keep me signed in' checkbox. Below these is a prominent purple 'Log In' button. Underneath the button are links for 'Forgot Username or Password?' and 'New To SciFinder<sup>n</sup>? Sign Up for Access'. At the bottom, there is a statement: 'By using SciFinder<sup>n</sup>®, you agree to the [License Agreements and Policies](#)'.

### Getting Started

- **Search:** SciFinder<sup>n</sup> features a new streamlined search interface, including advanced text and structure search functionalities.



The diagram illustrates the search interface with three numbered steps:

1. Select the type of search that you want to perform. (Points to the search type dropdown menu with options: All, Substances, Reactions, References, Suppliers)
2. Enter text query. (Points to the 'Enter a query...' input field)
3. Execute search. (Points to the search button)

Additional features shown include a 'Draw' button for structure queries and an 'OR' separator between the text and structure search options.

- History:** SciFinder<sup>n</sup> tracks your searches in a dynamic way, and allows you to quickly find your previous work. You can also easily save and set-up alerts for your searches.

Search history

References - Enter a query...

Draw

Search History (859)

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

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

April 25, 2018

5:19 PM

References: theory of relativity (1.5M)

Rerun Search

April 24, 2018

4:36 PM

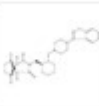
References: Advanced Search (745)

Rerun Search

Author: Laird, E.

April 19, 2018

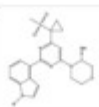
1:25 PM

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

Saved Searches

- Reference:** Reference search makes use of the most advanced chemically intelligent algorithm in the world. The display features new visualizations, dynamic facets, and an easy-to-use layout
  - Full text acquisition options are available on the reference search page

Change how answers are displayed.

Sort answers.

Save answers.

Share answers by emailing link.

Retrieve data for this reference.

Click View Reference Detail or reference title to go to the Reference Detail screen.

Download answers to an external file.

Select filters to focus answers.

References (1,872)

View Partial Sort Relevance

Substances Reactions Cited By

Short communication: Rapid antibiotic screening tests detect antibiotic residues in powdered milk products.

By: Kneebone, J; Tsang, P C W; Townson, D  
Journal of dairy science (2010), 93(9), 3961-4 | Language: English; Database: MEDLINE  
View Reference Detail | View Corresponding CAPlus Reference

Abstract: Rapid antibiotic screening tests are widely used in the dairy industry to monitor milk for the presence of antibiotic residues above regulated levels. Given the persistent concern over contamination of milk products with antibiotic residues, we investigated the utility of IDEXX Snap test devices (IDEXX) for detecting antibiotic residues in powdered milk products. Five ...  
ed according to manufacturer specification with distilled water:  
... smooth and kids adult (Nestlé, Nestlé in ...

Full Text Substances (0) Reactions (0) Cited By (4) Citation Map

Filter by

Relevance

- Best (2)
- Good (80)
- Fair (1,790)
- Learn more about Relevance...

Document Type

- Journal (1,437)
- Patent (372)
- Review (246)
- Book (1)
- Clinical Trial (6)
- View All

Language

- English (1,172)
- Chinese (264)
- Russian (83)

- Selecting a reference title allows you to view record details including bibliographic information, publication history, indexing, graphs, and much 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.**

**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 1: Saliva Flow / Weight vs Days Following Radiation**

**A:** Timeline showing treatment schedule: 0 hr (+TKI), 1 hr (+IR), 4 hr (+TKI), 30 Days (Collect Saliva), 60 Days (Collect Saliva), 90 Days (Collect Saliva).

**B:** Bar chart showing Saliva Flow / Weight at 0, 63, and 90 days for Control, Dasatinib, IR, and IR + Dasatinib groups.

**C:** Bar chart showing Saliva Flow / Weight at 0 and 60 days for Control, Imatinib, IR, and IR + Imatinib groups.

**D:** Bar chart showing Saliva Flow / Weight at 0 and 30 days for Control, Bosutinib, IR, and IR + Bosutinib groups.

**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, CPlus

**Language:** English

**Full Text**

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

**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

**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.**

**Substances (12)**

**Substance Role: Pharmacological Activity (7)**

- 943319-70-8: C22H27N5O Benzamide, 3-(2-imidazo[1,2-b]pyridazin-3-ylethynyl)-
- 380843-75-4: C20H20Cl2N2O3 3-Quinolincarbonitrile, 4-[[2,4-dichloro-5-methoxy...
- 379231-04-6: C22H22ClN4O3 4-Quinazolinamine, N-(5-chloro-1,3-benzodioxol-4-yl)-

**Substance Role: Therapeutic Use (7)**

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

- Clicking on substance details take you to the full detailed records available on SciFinder<sup>n</sup>.

Retrieve data related to answers. Download answers to an external file. Change how answers are displayed.

Select type of structure match. Select filters to focus answers.

Go to Substance Detail screen. View Key Physical Properties on Substance Detail screen.

Share answers by emailing link. Save answers.

Retrieve data for substance.

Substances (6)

Structure Match

As Drawn (1)

Substructure (6)

Similarity (3,437)

Filter by

Commercial Availability

Available (1)

Not Available (5)

Reaction Role

Product (2)

Reactant (4)

Reference Role

Biological Study (1)

Preparation (2)

Prophetic in Patents (1)

Reactant or Reagent (4)

Uses (1)

Number of Components

Substance Class

Molecular Weight

1219937-98-0

View Detail

Key Physical Properties

Key Physical Properties	Value	Condition
Molecular Weight	404.4±30.0	Press: 760 Torr
Boiling Point (Predicted)	404.4±30.0 °C	
Density (Predicted)	1.504±0.06 g/cm <sup>3</sup>	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	13.86±0.70	Most Acidic Temp: 25 °C

1416321-38-4

View Detail

Key Physical Properties	Value	Condition
Molecular Weight	276.09	-
Boiling Point (Predicted)	428.6±45.0 °C	Press: 760 Torr
Density (Predicted)	1.600±0.06 g/cm <sup>3</sup>	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	13.18±0.70	Most Acidic Temp: 25 °C

**Reactions:** Reaction Search displays relevant schema as well as key synthetic information.

- Clicking on the **Reaction Details** will allow you to see step-by-step instructions and more detail on the reaction.

Go to Reactions screen. View previous or next reaction.

Download answers to an external file. Share answers by emailing link. Save data.

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).

Retrieve suppliers for substance. View reaction reference on Reference Detail screen. View full-text PDF for the patent reference or Patent Family members. Access other full-text options.

Reaction Detail (Scheme 1, Reaction 2 of 20)

Suppliers (2) Suppliers (25) Suppliers (55)

Step 1

Stage	Reagents	Catalysts	Solvents	Conditions
1	Potassium carbonate	-	Tetrahydrofuran Water	10 min, > 30 °C
2	Water	-	-	10 h, 15 - 30 °C

CAS Reaction Number 31-365-CAS-4160897

Notes

alternative reaction conditions shown

Experimental Protocols

Experimental Procedure

Preparation of N-(4-((6,7-bis(methoxyloxy)quinolin-4-yl)oxy)phenyl)-N'-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide

The solution from the previous step containing 1-(4-fluoro-phenyl)carbamoyl-cyclopropanecarbonyl chloride was added to a mixture of 4-(6,7-dimethoxy-quinolin-4-yl)oxyphenylamine (3.0 kg), and potassium carbonate (4.0 kg) in THF (27.0 kg), and water (13.0 kg) at a rate such that the hatch temperature did not exceed 3.0 °C. When the reaction was complete (approximately 10 minutes), water (74.0 kg) was added. The mixture was stirred at 15 to 300 °C for approximately 10 hours, which resulted in the precipitation of the product. The product was recovered by filtration, washed with a pre made solution of THF (11.0 kg) and water (24.0 kg), and dried at approximately 65 °C under vacuum for approximately 12 hours to afford the title compound. Yield (free base, 5.0 kg). <sup>1</sup>H NMR (400 MHz, d<sub>6</sub>-DMSO): δ 10.2 (s, 1 H), 10.05 (s, 1H), 8.4 (s, 1H), 7.8 (m, 2H), 7.65 (m, 2H), 7.5 (s, 1H), 7.35 (s, 1H), 7.25 (m, 2H), 7.15 (m, 2H), 6.4 (s, 1H), 4.0 (d, 6H), 1.5 (s, 4H) LC/MS: M+H = 502.

Reference

Method of treating cancer and bone cancer pain

View Reference Detail

By: Schwab, Gisela; et al

World Intellectual Property Organization, WO2012151326 A1 2012-11-08

PATENTPAK Full Text

Patent Information

Patent Number WO2012151326

Publication 2012-11-08

Application Number WO2012-US36191

Application Date 2012-05-02

Kind Code A1

Assignee Exelixis, Inc., United States