

Ambit Biosciences Corp

CORTELLIS COMPANY DETAILED PIPELINE REPORT

A comprehensive coverage of the the company's drug pipeline portfolio including detailed product records.

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GLOSSARY

Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

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Ambit Biosciences Corp

COMPANY OVERVIEW

| Company Name | Ambit Biosciences Corp |
|--|--|
| Parent Company Name | Ambit Biosciences Corp |
| Website | http://www.ambitbio.com/ |
| Country | US |
| Number of Drugs in Active Development | 3 |
| Number of Inactive Drugs | 11 |
| Number of Patents as Owner | 41 |
| Number of Patents as Third Party | 1 |
| Number of Deals | 10 |
| Key Indications | Cancer,Inflammatory disease,Autoimmune disease,Acute myelogenous leukemia,Breast tumor,Leukemia,Insulin dependent diabetes,Multiple sclerosis,Myeloproliferative disorder,Solid tumor |
| Key Target-based Actions | CSF-1 antagonist,Jak2 tyrosine kinase inhibitor,Flt3 tyrosine kinase inhibitor,Kit tyrosine kinase inhibitor,PDGF receptor antagonist,Aurora protein kinase 2 inhibitor,Erbb4 tyrosine kinase receptor inhibitor,ABL family tyrosine kinase inhibitor,Protein kinase inhibitor,Raf B protein kinase inhibitor,VEGF-2 receptor antagonist |
| Key Technologies | Small molecule therapeutic,Oral formulation,Oral liquid formulation,Crystalline form,Salt synthesis,Antibody,Drug combination,Drug screening,Fluorescence,Formulation preservation,Intravenous formulation |

COMPANY PROFILE

SUMMARY

Ambit Biosciences, based in San Diego, CA is a privately held biopharmaceutical company focused on the discovery and development of small molecule kinase inhibitors for cancer and other diseases. The company identifies and manufactures these molecules using its kinase profiling platform technology, KinomeScan.

COMPANY LOCATION

The company is based in San Diego, CA. It also has a research facility based in Toronto, Canada.

LICENSING AGREEMENTS

In November 2006, Ambit agreed to screen, discover and develop kinase inhibitors with Cephalon using its KinomeScan technology and Cephalon's kinase libraries. Cephalon would pay Ambit \$18 million upfront and make milestone payments up to \$232.5 million plus royalties. The companies also planned to advance two programs targeting undisclosed kinases.

In December 2005, Ambit and Bristol-Myers Squibb (BMS) expanded their collaboration to discover kinase inhibitors. The new, 5-year agreement provided BMS with access to Ambit's kinase profiling technology, KinomeScan, to accelerate its internal drug discovery and development efforts. Ambit received a license to a BMS preclinical kinase inhibitor program for the treatment of solid tumors. Ambit would also get an upfront payment, equity investment and profiling revenue from BMS. In January 2004, Ambit entered into separate kinase screening collaborations with Bristol-Myers Squibb Co and GlaxoSmithKline plc, whereby Ambit would employ its kinase platform to characterize the specificity of certain compounds from the companies' compound libraries. Ambit also entered into a compound profiling agreement with Pfizer Inc's La Jolla Laboratories. Ambit would employ its Reverse Screening technology to identify and characterize the protein targets of certain Pfizer drug discovery compounds and therefore elucidate their molecular mechanisms of actions.

In August 2004, Roche Holding AG and Ambit entered into a multiyear collaboration. Roche would use Ambit's kinase screening platform to profile and select small-molecule kinase inhibitors. Ambit would receive milestone payments and royalties on drugs developed through the collaboration.



In March 2003, Ambit signed a technology evaluation agreement with GlaxoSmithKline (GSK) to characterize small molecule kinase inhibitors using Ambit's ProteomeScan platform.

In April 2002, Ambit entered into a research collaboration agreement with AstraZeneca Pharmaceuticals LP (AZ), whereby AZ was to utilize Ambit's ProteomeScan platform to identify and isolate the protein targets of its portfolio of small molecules.

In November 2001, Medarex Inc and Ambit entered into a multiyear strategic collaboration to jointly develop and commercialize therapeutic monoclonal antibodies, utilizing Medarex's UltiMAb human antibody development system and Ambit's ProteomeScan screening technology. Both companies expected to share equally the costs and revenues associated with the preclinical and clinical development and subsequent commercialization of any resulting products. Additionally, Medarex made a \$1 million equity investment in Ambit.

The company was founded to commercialize technology initially developed in Dr Austin's laboratory in the Chemistry Department at Yale University. This technology, called ProteomeScan, has been exclusively licensed by Ambit Biosciences from Yale University and is the subject of pending US and international patent applications.

FINANCIAL

In May 2013, Ambit priced its initial public offering of 8,125,000 shares of its common stock at \$8 per share. Underwriters were granted a 30-day option to purchase an additional 1,218,750 shares. The common stock began trading on the NASDAQ Global Market under the symbol "AMBI".

In February 2013, Ambit filed a registration (form S-1) for an initial public common stock offering on the NASDAQ market.

In November 2012, Ambit raised \$25 million in the first tranche of a new \$50 million stock financing round.

In June 2011, Ambit raised \$30 million from a series D-2 equity financing round.

In November 2010, Ambit filed a registration statement for an IPO with the SEC. Later that month, the IPO was reported to be expected to raise \$86.3 million.

In November 2007, Ambit raised \$49.3 million from a series D equity financing round. Ambit would use the proceeds to advance its pipeline products.

In May 2005, Ambit closed a series C financing, led by Roche, raising a total of \$31 million. The first \$21 million tranche was secured in August 2004.

The company raised \$10 million in November 2001.

In November 2000, Ambit raised \$18.8 million from a series B financing round.

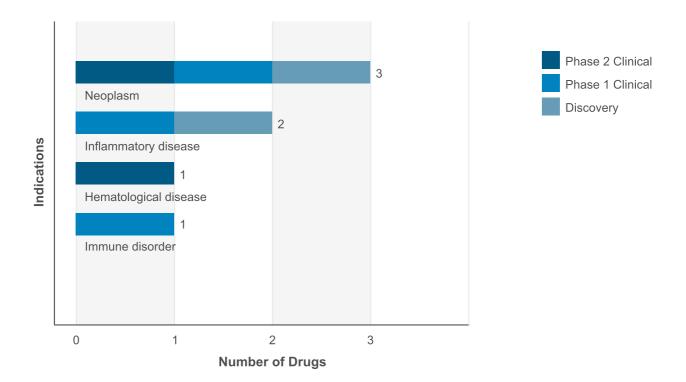


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



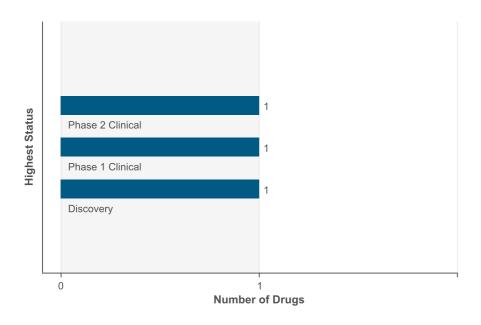
Drugs by Indication Table

| Indication | Active | Inactive | Total |
|-------------------------|--------|----------|-------|
| Neoplasm | 3 | 10 | 13 |
| Inflammatory disease | 2 | 2 | 4 |
| Immune disorder | 1 | 1 | 2 |
| Neurological disease | 0 | 2 | 2 |
| Hematological disease | 1 | 1 | 2 |
| Musculoskeletal disease | 0 | 1 | 1 |
| Cardiovascular disease | 0 | 1 | 1 |



Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

| Development Status | Number of Drugs |
|-------------------------|-----------------|
| Phase 2 Clinical | 1 |
| Phase 1 Clinical | 1 |
| Discovery | 1 |
| Discontinued | 3 |
| No Development Reported | 8 |

DEALS

| Deal Type | Prin | cipal | Pai | tner | Total |
|--|--------|----------|--------|----------|-------|
| | Active | Inactive | Active | Inactive | |
| Technology - Other Proprietary | 1 | 0 | 0 | 0 | 1 |
| Drug - Screening/Evaluation | 5 | 0 | 0 | 0 | 5 |
| Drug - Early Research/Development | 1 | 0 | 1 | 0 | 2 |
| Drug - Development/Commercialization License | 1 | 0 | 1 | 0 | 2 |



CLINICAL TRIALS

Trials by Condition Studied

| Condition Studied | Ongoing | All |
|-------------------------|---------|-----|
| Neoplasm | 6 | 10 |
| Hematological disease | 4 | 6 |
| Immune disorder | 0 | 2 |
| Inflammatory disease | 0 | 1 |
| Musculoskeletal disease | 0 | 1 |

Trials by Phase

| Phase | Ongoing | All |
|---------|---------|-----|
| Phase 2 | 2 | 2 |
| Phase 1 | 4 | 9 |

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

PATENTS *

| Indication | As Owner | As Third Party | Total |
|--------------------------|----------|----------------|-------|
| Cardiovascular disease | 8 | 1 | 9 |
| Endocrine disease | 16 | 1 | 17 |
| Gastrointestinal disease | 14 | 1 | 15 |
| Genitourinary disease | 11 | 0 | 11 |
| Growth disorder | 2 | 0 | 2 |
| Hematological disease | 24 | 1 | 25 |
| Degeneration | 3 | 0 | 3 |
| Andrology | 2 | 0 | 2 |
| Immune disorder | 24 | 1 | 25 |
| Psychiatric disorder | 1 | 0 | 1 |



| Musculoskeletal disease | 7 | 0 | 7 |
|--------------------------------|----|---|----|
| Neoplasm | 36 | 1 | 37 |
| Ocular disease | 5 | 0 | 5 |
| Genetic disorder | 2 | 0 | 2 |
| Metabolic disorder | 11 | 1 | 12 |
| Neurological disease | 14 | 1 | 15 |
| Nutritional disorder | 1 | 0 | 1 |
| Respiratory disease | 11 | 0 | 11 |
| Infectious disease | 4 | 0 | 4 |
| Unidentified indication | 2 | 0 | 2 |
| Inflammatory disease | 27 | 0 | 27 |
| Otorhinolaryngological disease | 2 | 0 | 2 |
| Gynecology and obstetrics | 10 | 0 | 10 |
| Dermatological disease | 8 | 0 | 8 |
| Surgical procedure | 0 | 1 | 1 |

^{*} This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

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PRODUCT PORTFOLIO DRUG PIPELINE DETAIL

PLEASE NOTE: Highest status refers to highest development of that drug for one of the active companies

quizartinib dihydrochloride

quizartinib dihydrochloride SNAPSHOT

| Drug Name | quizartinib dihydrochloride |
|----------------------|---|
| Key Synonyms | quizartinib;quizartinib dihydrochloride |
| Originator Company | Ambit Biosciences Corp |
| Active Companies | Ambit Biosciences Corp |
| Inactive Companies | Astellas Pharma Inc |
| Highest Status | Phase 2 Clinical |
| Active Indications | Acute myelogenous leukemia |
| Target-based Actions | Flt3 tyrosine kinase inhibitor;PDGF receptor antagonist;Kit tyrosine kinase inhibitor |
| Other Actions | Apoptosis stimulator;Anticancer protein kinase inhibitor |
| Technologies | Oral formulation;Oral liquid formulation;Small molecule therapeutic |
| Last Change Date | 14-May-2013 |
| | |

quizartinib dihydrochloride DEVELOPMENT PROFILE

SUMMARY

Ambit Biosciences is developing quizartinib dihydrochloride (AC-220; ASP-2689; structure shown), the lead candidate from a series of Flt3 and Kit tyrosine kinase inhibitors, for the potential oral treatment of cancer and non-cancer indications ,. In May 2011, the drug was listed as being in Phase III development for AML patients with flt3/ITD mutation; however, in July 2012, the drug was listed as being in phase II development for second line/third line AML. In January 2010, a phase I trial for solid tumor was initiated; in April 2012, the study was ongoing . In June 2011, a phase III trial was being planned.

Astellas Pharma was codeveloping quizartenib with Ambit. In February 2010, Astellas listed the compound as being in phase II trials in Europe and the US for AML; in May 2011, this was still the case. In February 2013, phase I trials were underway in Japan for AML. However in March 2013, Astllas stated that it would terminating the license agreement with Ambit for strategic reasons in September that year and in May 2013 deleted the drug from its development pipeline.

In December 2009, Astellas and Ambit also planned to investigate other Flt-3 inhibitors from the series for the same indications.

Ambit Biosciences and Astellas Pharma were codeveloping quizartinib dihydrochloride (AC-220; ASP-2689; structure shown), the lead candidate from a series of Flt3 and Kit tyrosine kinase inhibitors, for the potential oral treatment of solid tumors ,. In January 2010, a phase I trial for solid tumor was initiated; in April 2012, the study was ongoing . By March 2013, the drug was no longer developed for solid tumors.



quizartinib dihydrochloride DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|---------------------------|----------------------------|---------|---------------------------|-------------|
| Ambit Biosciences Corp | Acute myelogenous leukemia | Europe | Phase 2 Clinical | 12-Nov-2009 |
| Ambit Biosciences Corp | Acute myelogenous leukemia | US | Phase 2 Clinical | 04-Aug-2009 |
| Astellas Pharma Inc | Acute myelogenous leukemia | Europe | Discontinued | 13-May-2013 |
| Astellas Pharma Inc | Acute myelogenous leukemia | Japan | Discontinued | 13-May-2013 |
| Astellas Pharma Inc | Acute myelogenous leukemia | US | Discontinued | 13-May-2013 |
| Ambit Biosciences Corp | Solid tumor | US | No Development Reported | 13-Jan-2010 |
| Astellas Pharma Inc | Solid tumor | US | No Development Reported | 13-Jan-2010 |

quizartinib dihydrochloride CHEMICAL STRUCTURES

| CAS Registry Number: | Confidence Level: |
|--|-------------------|
| | 3 |
| $\begin{array}{c c} & & & \\ & & \\ & & & \\ & & \\ & & \\ & & & \\ & & \\ & & & \\ & & \\ & & \\ & & & \\ & & \\ & & & \\ & &$ | |
| Name | Туре |
| quizartinib dihydrochloride | USAN |
| AC-220 | Research Code |

| CAS Registry Number: | Confidence Level: |
|----------------------|---|
| 950769-58-1 | 2 |
| | $\begin{array}{c} N \\ N \\ N \\ N \end{array}$ |



| Name | Туре |
|-------------|-----------|
| quizartinib | INN; USAN |

| CAS Registry Number: | Confidence Level: |
|----------------------|---|
| O - N O | HO HO NO HO |
| Name | Туре |
| AB-200434 | Research Code |

| CAS Registry Number: | Confidence Level: |
|----------------------|-------------------|
| | 3 |
| 0-1 | |
| Name | Туре |
| AB-460 | Research Code |

| CAS Registry Number: | Confidence Level: |
|----------------------|---|
| | 3 |
| | |
| | |
| | 5 |
| | H N N N N N N N N N N N N N N N N N N N |
| 0-N | |
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| , , | |
| | |



| Name | Туре |
|--------|---------------|
| AB-530 | Research Code |

quizartinib dihydrochloride DRUG NAMES

| Namas | Type |
|---|---------------|
| Names | Туре |
| AB-200432 | Research Code |
| AC-220 | Research Code |
| AB-530 | Research Code |
| quizartinib | INN, USAN |
| AB-200243 | Research Code |
| AC-886 | Research Code |
| Flt3 tyrosine kinase inhibitors, Ambit | |
| Flt3 tyrosine kinase inhibitors, Ambit/Astellas | |
| AB-200382 | Research Code |
| AB-460 | Research Code |
| AB-515 | Research Code |
| quizartinib dihydrochloride | USAN |
| ASP-2689 | Research Code |
| AB-200434 | Research Code |
| | |

quizartinib dihydrochloride CLINICAL TRIALS

Trials by Phase and Condition Studied

| Pha Clin | se 4 ical | Phase 3 Clinical | | Phase 2 Clinical | | Phase 1 Clinical | | Phase Unspecified | | Total | |
|----------------------------|--------------|---------------------|-----|---------------------|-----|---------------------|-----|----------------------|-----|--------------|-----|
| On- going | All | On- going | All | On- going | All | On- going | All | On- going | All | On- going | All |
| Acute myelogenous leukemia | | | | | | | | | | | |
| 0 | 0 | 1 | 1 | 2 | 2 | 3 | 5 | 0 | 0 | 6 | 8 |
| Myelodysplastic syndrome | | | | | | | | | | | |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 3 |



| Solid tumor | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |
| Leukemia | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Acute lymphoblastic leukemia | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

Total Trials by Phase and Status

| | Phase 4 Clinical | | Phase 3 Clinical | | Phase 2 Clinical | | Phase 1 Clinical | | Phase Unspecified | | tal |
|--------------|---------------------------|--------------|---------------------|--------------|---------------------|--------------|---------------------|--------------|----------------------|--------------|-----|
| On- going | All | On- going | All | On- going | All | On- going | All | On- going | All | On- going | All |
| Total by | Total by Phase and Status | | | | | | | | | | |
| 0 | 0 | 1 | 1 | 2 | 2 | 4 | 6 | 0 | 0 | 7 | 9 |

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

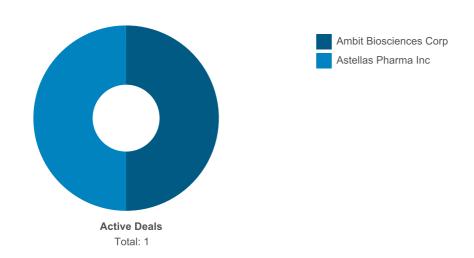
Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

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quizartinib dihydrochloride DEALS AND PATENTS

DEALS

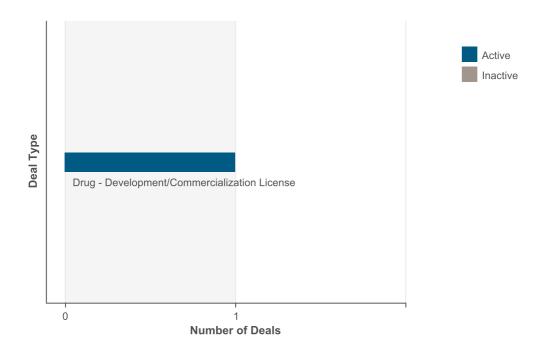
Deals by Parent Company Chart



Deals by Parent Company Table

| Company Name | | cipal Inactive | Par Active | Total | |
|------------------------|---|-------------------|----------------------|-------|---|
| Ambit Biosciences Corp | 1 | 0 | 0 | 0 | 1 |
| Astellas Pharma Inc | 0 | 0 | 1 | 0 | 1 |

Deals by Type Chart



Deals by Type Table

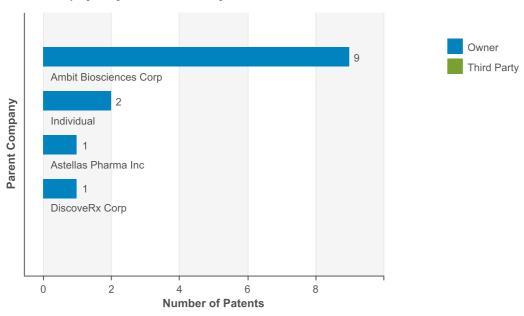
| Deal Type | Active | Inactive | Total |
|--|--------|----------|-------|
| Drug - Development/Commercialization License | 1 | 0 | 1 |



PATENTS

Patents by Parent Company Chart

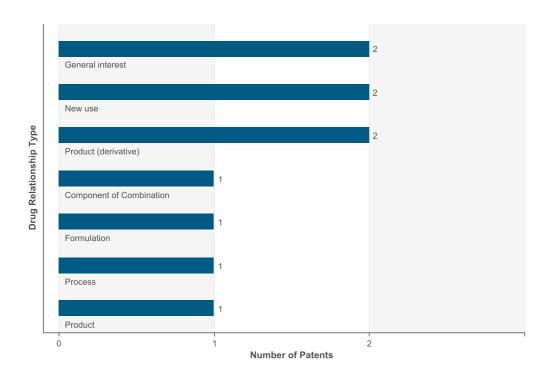
Chart displayed by Owner/Third Party



Patents by Parent Company Table

| Company Name | As Owner | As Third Party | Total |
|------------------------|----------|----------------|-------|
| Ambit Biosciences Corp | 9 | 0 | 9 |
| Individual | 2 | 0 | 2 |
| Astellas Pharma Inc | 1 | 0 | 1 |
| DiscoveRx Corp | 1 | 0 | 1 |

Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

| Drug Relationship | Total |
|--------------------------|-------|
| New use | 2 |
| Product (derivative) | 2 |
| General interest | 2 |
| Process | 1 |
| Product | 1 |
| Component of Combination | 1 |
| Formulation | 1 |



AC-410

AC-410 SNAPSHOT

| Drug Name | AC-410 |
|----------------------|---|
| Key Synonyms | |
| Originator Company | Ambit Biosciences Corp |
| Active Companies | Ambit Biosciences Corp |
| Inactive Companies | |
| Highest Status | Phase 1 Clinical |
| Active Indications | Cancer;Inflammatory disease;Autoimmune disease |
| Target-based Actions | Jak2 tyrosine kinase inhibitor |
| Other Actions | Anti-inflammatory;Anticancer protein kinase inhibitor |
| Technologies | Oral formulation;Small molecule therapeutic |
| Last Change Date | 26-Feb-2013 |

AC-410 DEVELOPMENT PROFILE

SUMMARY

Ambit is developing the lead AC-410, the single enantiomer of AC-430 (the racemic mixture of AC-410 and AC-409), from a program of Jak2 kinase inhibitors, for the potential oral treatment of cancer, including myelodysplastic syndrome, myeloproliferative disease and lymphoma, autoimmune disorders, including rheumatoid arthritis, and inflammation,.. In December 2010, a phase I trial of AC-430 was initiated; in June 2011, the study was completed. By February 2013, AC-410 had been selected over AC-430 and AC-409 for further clinical development due to superior pharmacokinetics exhibited in the phase I trial . In February 2012, the company was seeking to outlicense the drug.

AC-410 DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|---------------------------|----------------------|---------|---------------------------|-------------|
| Ambit Biosciences Corp | Autoimmune disease | US | Phase 1 Clinical | 20-Dec-2010 |
| Ambit Biosciences Corp | Cancer | US | Phase 1 Clinical | 20-Dec-2010 |
| Ambit Biosciences Corp | Inflammatory disease | US | Phase 1 Clinical | 20-Dec-2010 |

AC-410 CHEMICAL STRUCTURES

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| CAS Registry Number: | Confidence Level: |
|----------------------|-------------------|
| | 5 |
| | N — NH // |
| | HN N F |
| | |

| CAS Registry Number: | Confidence Level: |
|----------------------|-------------------|
| | 4 |
| HN | N — NH |
| Name | Туре |
| AC-430 | Research Code |

AC-410 DRUG NAMES

| Names | Туре |
|--|---------------|
| AC-430 | Research Code |
| Jak2 kinase inhibitors (myelodysplastic syndrome), Ambit | |
| AC-410 | Research Code |
| AC-409 | Research Code |

AC-410 CLINICAL TRIALS

Trials by Phase and Condition Studied

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| | se 4 nical | | se 3 nical | | se 2 nical | | se 1 nical | | ase ecified | То | tal |
|--------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|----------------|--------------|-----|
| On- going | All | On- going | All | On- going | All | On- going | All | On- going | All | On- going | All |
| Cancer | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Rheumat | oid arthriti | S | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Autoimmune disease | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

Total Trials by Phase and Status

| | se 4 nical | | ise 3 nical | | se 2 nical | | se 1 nical | | ase ecified | To | tal |
|---------------------------|---------------|--------------|----------------|--------------|---------------|--------------|---------------|--------------|----------------|--------------|-----|
| On- going | All | On- going | All | On- going | All | On- going | All | On- going | All | On- going | All |
| Total by Phase and Status | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |

Phase Definitions

Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

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AC-708

AC-708 SNAPSHOT

| Drug Name | AC-708 |
|----------------------|--|
| Key Synonyms | |
| Originator Company | Ambit Biosciences Corp |
| Active Companies | Ambit Biosciences Corp |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer;Inflammatory disease |
| Target-based Actions | CSF-1 antagonist |
| Other Actions | Bone modulator;Anti-inflammatory;Anticancer protein kinase inhibitor |
| Technologies | Small molecule therapeutic |
| Last Change Date | 24-May-2013 |

AC-708 DEVELOPMENT PROFILE

SUMMARY

Ambit Biosciences is investigating AC-708, the lead from colony stimulating factor 1 receptor (CSF1R) inhibitors for the potential treatment of cancer and inflammation,. In February 2013, the drug was listed as being in preclinical development. In June 2012, an IND filing was expected next year. In February 2012, the company was seeking to outlicense the program.

The company is also investigating another CSF1R inhibitor, AC-855, for the potential treatment of same indications.

The company was previously investigating the program, for the treatment of bone disease. In March 2010, lead optimization was ongoing. However, in November 2010, the indication was no longer listed on the company's pipeline.

AC-708 DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|---------------------------|----------------------|---------|---------------------------|-------------|
| Ambit Biosciences Corp | Cancer | US | Discovery | 09-Dec-2008 |
| Ambit Biosciences Corp | Inflammatory disease | US | Discovery | 28-Feb-2012 |
| Ambit Biosciences Corp | Bone disease | US | No Development Reported | 08-Nov-2010 |



AC-708 DRUG NAMES

| Names | Туре |
|--|---------------|
| CSF1R inhibitors (cancer/inflammation), Ambit Biosciences | |
| AC-708 | Research Code |
| CSF1R inhibitor (cancer/bone disease), Ambit | |
| colony stimulating factor 1 receptor inhibitors (cancer/inflammation), Ambit Biosciences | |



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