

Chimerix Inc

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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Chimerix Inc

COMPANY OVERVIEW

| | |
|---------------------------------------|--|
| Company Name | Chimerix Inc |
| Parent Company Name | Chimerix Inc |
| Website | http://www.chimerix.com/ |
| Country | US |
| Number of Drugs in Active Development | 6 |
| Number of Inactive Drugs | 5 |
| Number of Patents as Owner | 17 |
| Number of Patents as Third Party | 1 |
| Number of Deals | 9 |
| Key Indications | Cytomegalovirus infection,Adenovirus infection,BK virus infection,Influenza virus infection,Polyomavirus infection,DNA virus infection,Dengue virus infection,Epstein Barr virus infection,Hepatitis,Herpes simplex virus infection,Monkeypox virus infection,Mycobacterium tuberculosis infection,Plasmodium infection,Vaccinia virus infection,Variola virus infection |
| Key Target-based Actions | Hepatitis C virus NS5B polymerase inhibitor,Cytochrome P450 reductase inhibitor,P-Glycoprotein inhibitor,Acetaldehyde dehydrogenase stimulator,B-lymphocyte antigen CD20 stimulator,BCL2 gene inhibitor,Cytosine deaminase stimulator,Glutathione S-transferase stimulator,Homeobox protein NANOG stimulator,Integrin alpha-4/beta-1 antagonist,P-Glycoprotein 3 stimulator,POU domain 5 transcription factor 1 stimulator,SOX transcription factor 2 stimulator |
| Key Technologies | Small molecule therapeutic,Oral formulation,Parenteral formulation unspecified,Lipid,Prodrug,Nucleotide and derivatives,Oral sustained release formulation,Drug combination,Adult stem cell therapy,Antibody,Chemical purification,Condensational synthesis,Crystalline form,Dermatological formulation,Drug implant,Embryonic stem cell therapy,Hydrolytic synthesis,Oligonucleotide,Ophthalmic gel formulation,Pluripotent stem cell therapy,Salt synthesis |

COMPANY PROFILE

SUMMARY

Chimerix Inc began operations in the third quarter of 2002, to commercialize the proprietary chemistry developed in the laboratory of Dr Karl Hostetler at the University of California San Diego and the Veterans Administration Hospital in San Diego, CA. The company uses its proprietary lipid conjugate technology to enhance the oral availability and delivery of antiviral drugs to improve dosing parameters, broaden therapeutic applications and decrease the risk of adverse reactions. Chimerix intends to develop drug candidates through proof-of-concept clinical trials before seeking to outlicense clinical candidates to pharmaceutical companies for late stage clinical trials, distribution, and marketing.

LICENSING AGREEMENTS

In May 2006, Chimerix acquired Dr Leroy Townsend's chemical lead antiviral and oncology compound library from the University of Michigan. The company would add promising compounds to its technology platform, or license them to other pharmaceutical and biotechnology companies.

EARLY R&D

By May 2010, the company was also investigating compounds for malaria and dengue fever.

By August 2009, the company was investigating hepatitis C virus (HCV), respiratory syncytial virus (RSV) and influenza programs.

By May 2004, Chimerix was using its technology to create drug candidates for hepatitis C virus infection from known inhibitors of the viral polymerase.

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FINANCIAL

In March 2013, Chimerix filed a Form S-1 with the US SEC for a proposed IPO of its common stock. In April 2013, the company priced the initial public offering of 7,320,000 common stock shares at \$14.00 each. At that time, the underwriters were granted a 30-day option to buy up to an additional 1,098,000 common stock shares to cover over-allotments, if any. The shares were traded under the symbol 'CMRX' on the NASDAQ Global market and the offering was expected to close on April 16, 2013. Later that month, the company completed an IPO 8,418,000 shares of its common stock. In May 2013, the company reported that the gross proceeds were \$117.9 million.

In February 2011, the company raised \$45 million from the closing of a series F financing.

In August 2009, Chimerix raised \$16.1 million from the closing of a series E financing.

In February 2007, Chimerix raised \$23.1 million from the private placement of series D preferred stock.

In November 2004, Chimerix raised \$11 million private placement of its series C preferred stock. The funds would augment a grant from the NIH for \$36.1 million awarded to Chimerix for the development of CMX-001 and would allow the company to accelerate its cytomegalovirus infection, multi-drug resistant HIV-1 infection and viral hepatitis programs.

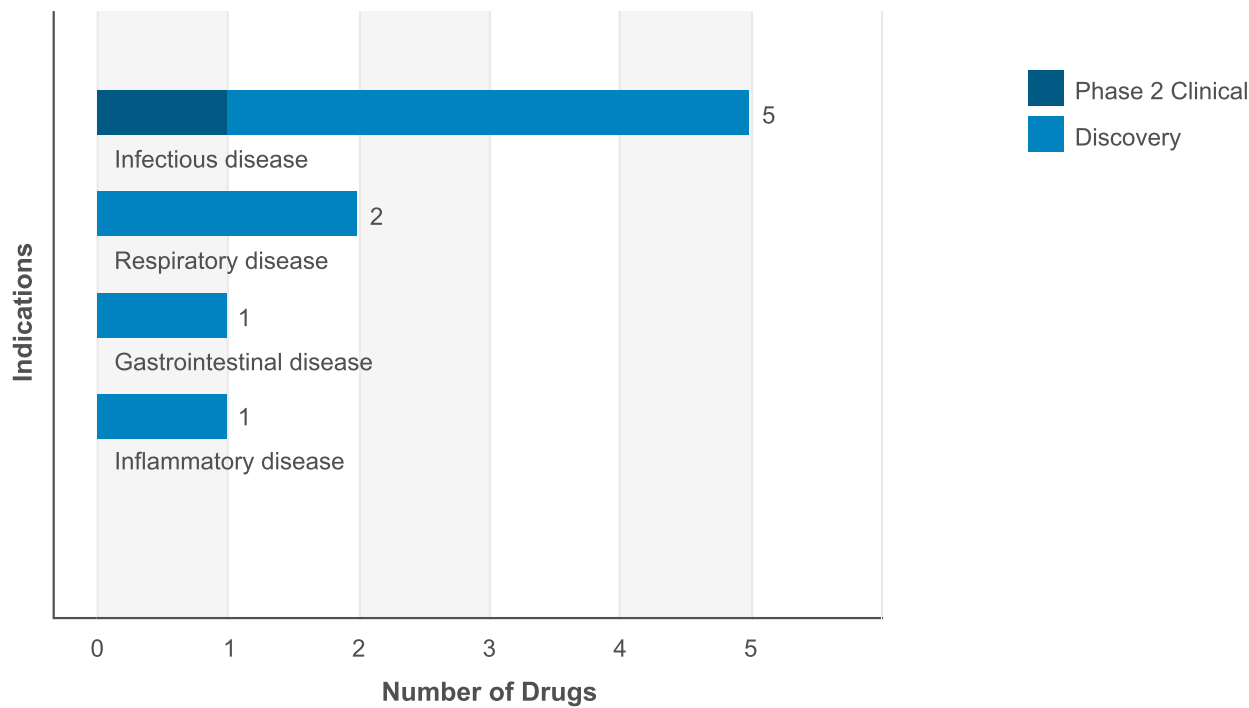
In September 2003, Chimerix closed a \$3.1 million preferred stock private financing. The funds were to be used to support Chimerix's drug development programs for HIV and HCV, and to continue to support the company's R&D activities.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



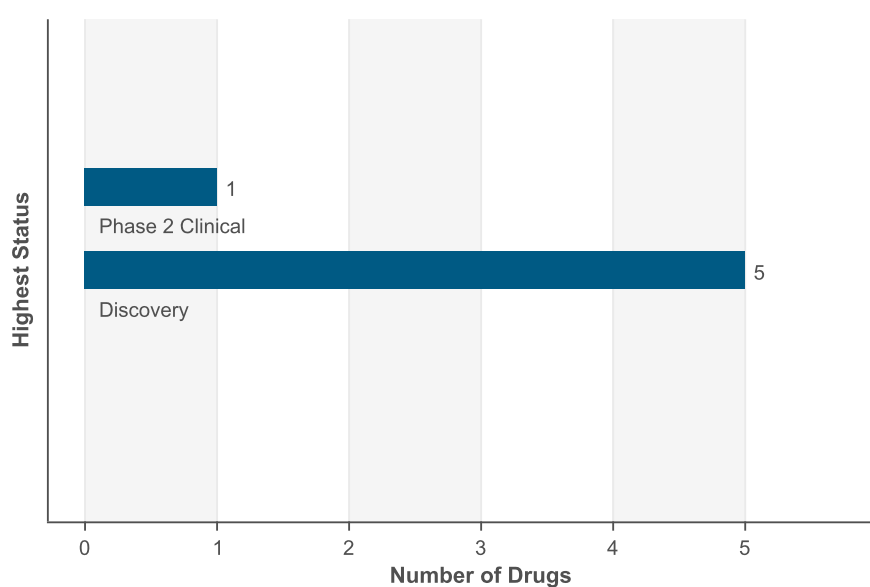
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Drugs by Indication Table

| Indication | Active | Inactive | Total |
|--------------------------|--------|----------|-------|
| Infectious disease | 5 | 5 | 10 |
| Respiratory disease | 2 | 1 | 3 |
| Gastrointestinal disease | 1 | 2 | 3 |
| Inflammatory disease | 1 | 2 | 3 |

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

| Development Status | Number of Drugs |
|-------------------------|-----------------|
| Phase 2 Clinical | 1 |
| Discovery | 5 |
| Discontinued | 1 |
| No Development Reported | 4 |

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DEALS

| Deal Type | Principal | | Partner | | Total |
|--|-----------|----------|---------|----------|-------|
| | Active | Inactive | Active | Inactive | |
| Drug - Funding | 3 | 0 | 0 | 0 | 3 |
| Drug - Asset Divestment | 0 | 0 | 1 | 0 | 1 |
| Drug - CRADA | 1 | 0 | 0 | 0 | 1 |
| Drug - Screening/Evaluation | 1 | 0 | 0 | 0 | 1 |
| Drug - Early Research/Development | 1 | 0 | 0 | 0 | 1 |
| Drug - Development/Commercialization License | 1 | 0 | 1 | 0 | 2 |

CLINICAL TRIALS

Trials by Condition Studied

| Condition Studied | Ongoing | All |
|--------------------------|---------|-----|
| Infectious disease | 1 | 11 |
| Inflammatory disease | 0 | 1 |
| Gastrointestinal disease | 0 | 1 |

Trials by Phase

| Phase | Ongoing | All |
|---------------------|---------|-----|
| Phase 3 | 1 | 2 |
| Phase 2 | 0 | 3 |
| Phase 1 | 0 | 5 |
| Phase not specified | 0 | 1 |

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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PATENTS *

| Indication | As Owner | As Third Party | Total |
|---------------------------|----------|----------------|-------|
| Cardiovascular disease | 0 | 1 | 1 |
| Endocrine disease | 2 | 1 | 3 |
| Gastrointestinal disease | 6 | 1 | 7 |
| Genitourinary disease | 3 | 0 | 3 |
| Hematological disease | 2 | 1 | 3 |
| Degeneration | 1 | 0 | 1 |
| Andrology | 2 | 0 | 2 |
| Immune disorder | 3 | 1 | 4 |
| Musculoskeletal disease | 1 | 0 | 1 |
| Neoplasm | 3 | 1 | 4 |
| Ocular disease | 1 | 0 | 1 |
| Metabolic disorder | 0 | 1 | 1 |
| Neurological disease | 1 | 1 | 2 |
| Respiratory disease | 3 | 0 | 3 |
| Infectious disease | 18 | 0 | 18 |
| Inflammatory disease | 6 | 0 | 6 |
| Fatigue | 1 | 0 | 1 |
| Gynecology and obstetrics | 1 | 0 | 1 |
| 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

CMX-001

CMX-001 SNAPSHOT

| | |
|-----------------------------|---|
| Drug Name | CMX-001 |
| Key Synonyms | |
| Originator Company | Chimerix Inc |
| Active Companies | Chimerix Inc |
| Inactive Companies | |
| Highest Status | Phase 2 Clinical |
| Active Indications | Herpes simplex virus infection;DNA virus infection;Cytomegalovirus infection;Variola virus infection;BK virus infection;Polyomavirus infection;Epstein Barr virus infection;Adenovirus infection;Monkeypox virus infection;Vaccinia virus infection |
| Target-based Actions | |
| Other Actions | Viral replication inhibitor;Synergist |
| Technologies | Oral formulation;Lipid;Small molecule therapeutic |
| Last Change Date | 27-May-2013 |

CMX-001 DEVELOPMENT PROFILE

SUMMARY

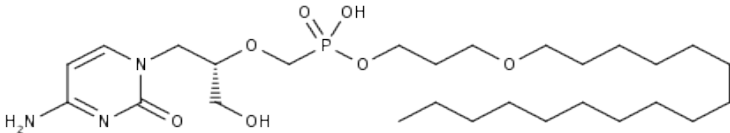
Chimerix, under broad patent rights from the University of California San Diego (UCSD), is developing CMX-001 (HDP-CDV, 1-O-hexadecyloxy-propyl-cidofovir), an oral cidofovir derivative which acts as a dsDNA replication inhibitor, for the potential prevention and treatment of smallpox infections and complications resulting from smallpox vaccination, cytomegalovirus (CMV), adeno, BK virus, herpes simplex, Epstein Barr and polyoma virus infections, ,,,. In January 2009, a phase I/II trial for BK virus was initiated ; in November 2011, data were reported. In March 2010, a US phase II trial was initiated for CMV infection ; in May 2011, data were presented . By February 2013, phase II development had been completed for the prevention of CMV in hematopoietic stem cell transplant (HSCT) recipients. In January 2011, a phase II trial was initiated for adenovirus infection, and at that time, the drug was in a phase I trial for polyomavirus infection . In July 2011, a second phase II trial for adenovirus infection was initiated ; in December 2012, enrollment was completed; in April 2013, data were expected in the second half of 2013. In May 2012, Chimerix had completed an 'End of Phase II' meeting with the FDA. In July 2012, the company planned to conduct additional studies to assess the prevention of hemorrhagic cystitis in HSCT recipients and BK virus associated nephropathy in kidney transplant recipients, and to provide further evidence of the lack of nephrotoxicity of CMX-001. In April 2013, a phase III trial for the prevention of CMV in HSCT patients was expected to begin in mid-2013 and topline data were expected in 2015. In May 2012, a phase II trial for neonatal HSV was expected to begin in July 2013. By October 2003, the company was seeking to outlicense co-development rights to CMX-001 ; in October 2011, this was still the case.

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The UCSD is also investigating a series of oral cidofovir derivatives, and has undertaken preclinical studies on an earlier formulation of CMX-001.

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|--------------|--------------------------------|---------|--------------------|-------------|
| Chimerix Inc | Adenovirus infection | US | Phase 2 Clinical | 07-Jan-2011 |
| Chimerix Inc | BK virus infection | US | Phase 2 Clinical | 06-Jan-2009 |
| Chimerix Inc | Cytomegalovirus infection | US | Phase 2 Clinical | 09-Mar-2010 |
| Chimerix Inc | Epstein Barr virus infection | US | Phase 1 Clinical | 31-Jan-2011 |
| Chimerix Inc | Herpes simplex virus infection | US | Phase 1 Clinical | 31-Jan-2011 |
| Chimerix Inc | Polyomavirus infection | US | Phase 1 Clinical | 03-Jan-2011 |
| Chimerix Inc | Variola virus infection | US | Phase 1 Clinical | 01-Aug-2006 |
| Chimerix Inc | DNA virus infection | US | Clinical | 07-Jan-2011 |
| Chimerix Inc | Vaccinia virus infection | US | Clinical | 19-Mar-2009 |
| Chimerix Inc | Monkeypox virus infection | US | Discovery | 06-May-2009 |
| Chimerix Inc | Papovavirus infection | US | Discontinued | 24-Sep-2010 |

| | |
|--|-------------------|
| CAS Registry Number: | Confidence Level: |
| 444805-28-1 | 1 |
|  | |
| Name | Type |
| CMX-001 | Research Code |

| Name | Type |
|-----------------------------------|------|
| 1-O-hexadecyloxypropyl-CDV | |
| 1-O-hexadecyloxy-propyl-cidofovir | |
| HDP-CDV | |

CMX-001 DRUG NAMES

| Names | Type |
|--|---------------|
| 1-O-hexadecyloxy-propyl-cidofovir | |
| anti-infective (smallpox/Herpes simplex/polyoma/adeno/cyto megalovirus infections), Chimerix | |
| 1-O-hexadecyloxypropyl-CDV | |
| HDP-CDV | |
| CMX-001 | Research Code |

CMX-001 CLINICAL TRIALS

Trials by Phase and Condition Studied

| Phase 4 Clinical | | 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 |
| Cytomegalovirus infection | | | | | | | | | | | |
| 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 3 |
| Adenovirus infection | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| Viral infection | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| Variola virus infection | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| BK virus infection | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
| Herpes simplex virus infection | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 |

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| DNA virus infection | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |

Total Trials by Phase and Status

| Phase 4 Clinical | | 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 |
| Total by Phase and Status | | | | | | | | | | | |
| 0 | 0 | 1 | 2 | 1 | 4 | 1 | 5 | 0 | 2 | 3 | 13 |

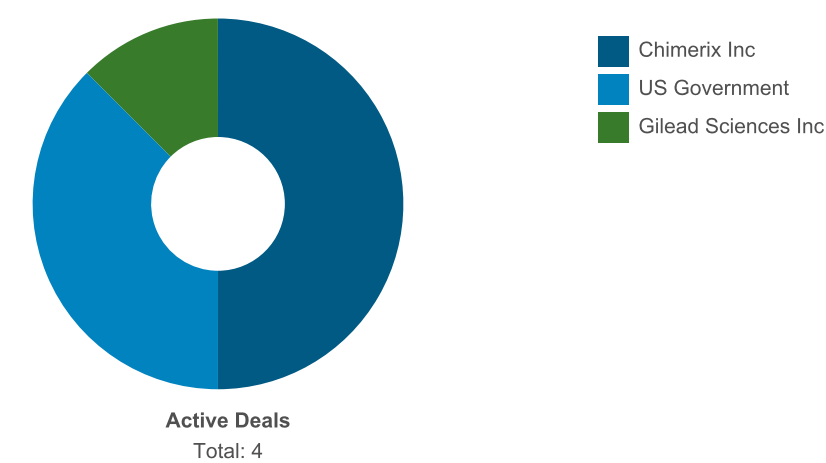
Phase Definitions

- 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

CMX-001 DEALS AND PATENTS

DEALS

Deals by Parent Company Chart

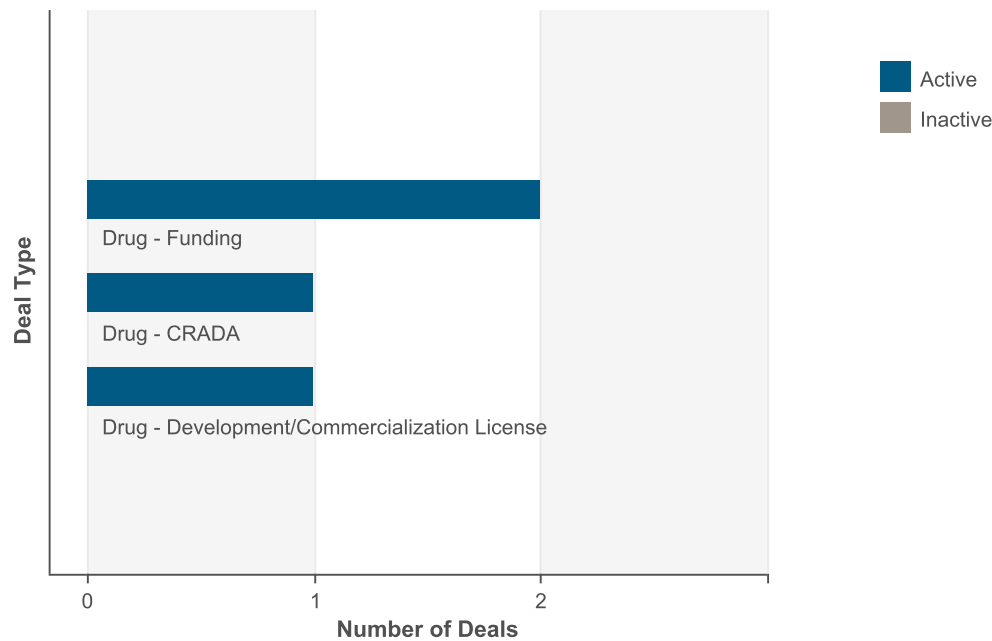


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Deals by Parent Company Table

| Company Name | Principal | | Partner | | Total |
|---------------------|-----------|----------|---------|----------|-------|
| | Active | Inactive | Active | Inactive | |
| Chimerix Inc | 3 | 0 | 1 | 0 | 4 |
| US Government | 0 | 0 | 3 | 0 | 3 |
| Gilead Sciences Inc | 1 | 0 | 0 | 0 | 1 |

Deals by Type Chart



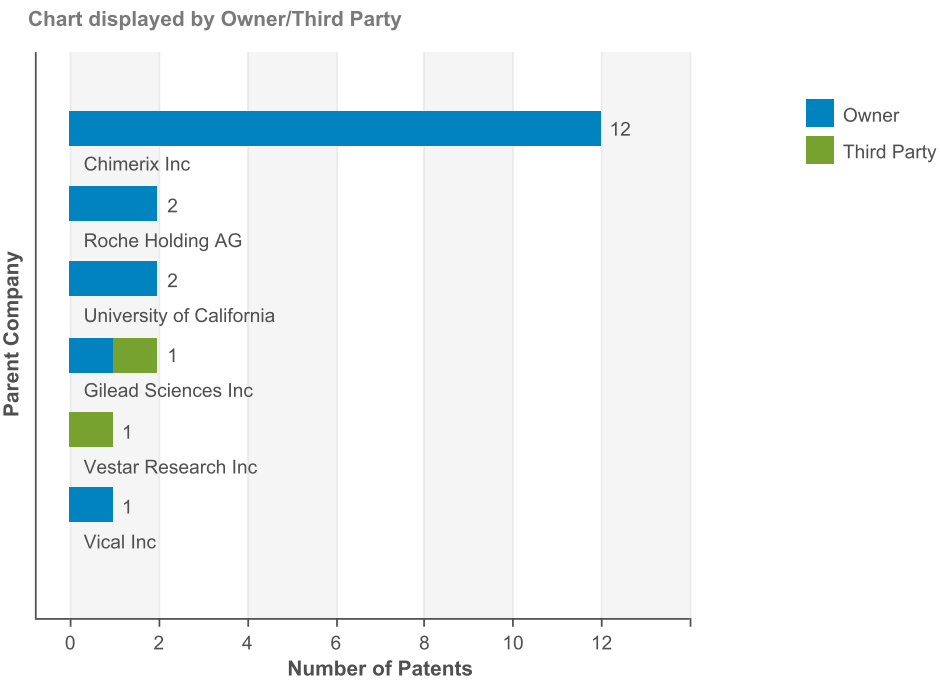
Deals by Type Table

| Deal Type | Active | Inactive | Total |
|--|--------|----------|-------|
| Drug - Funding | 2 | 0 | 2 |
| Drug - CRADA | 1 | 0 | 1 |
| Drug - Development/Commercialization License | 1 | 0 | 1 |

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PATENTS

Patents by Parent Company Chart

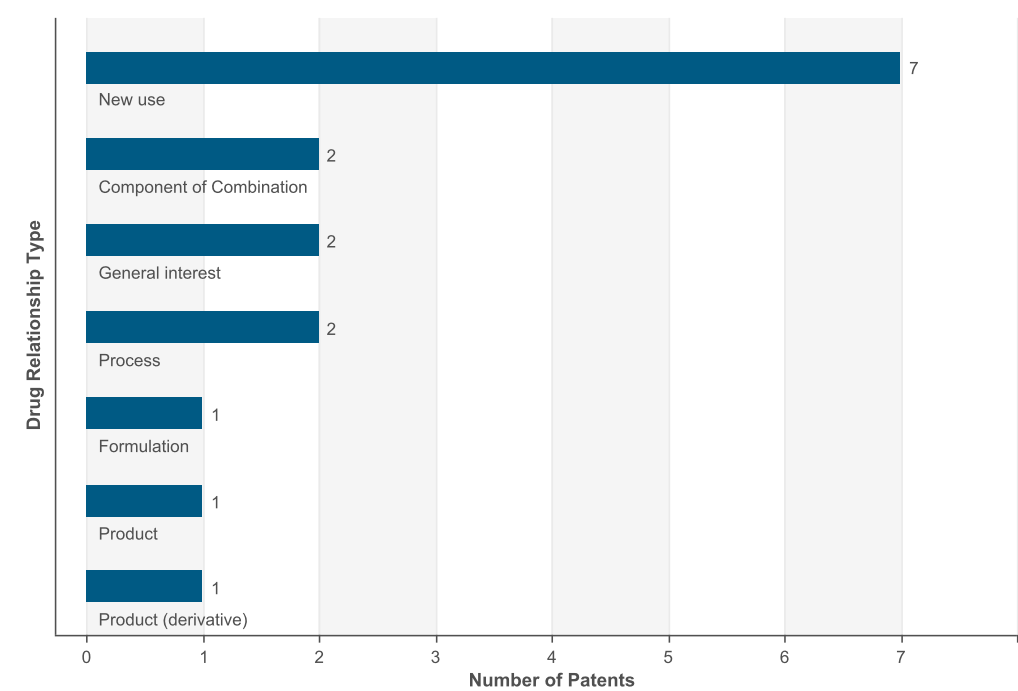


Patents by Parent Company Table

| Company Name | As Owner | As Third Party | Total |
|--------------------------|----------|----------------|-------|
| Chimerix Inc | 12 | 0 | 12 |
| Roche Holding AG | 2 | 0 | 2 |
| University of California | 2 | 0 | 2 |
| Vical Inc | 1 | 0 | 1 |
| Gilead Sciences Inc | 1 | 1 | 1 |
| Vestor Research Inc | 0 | 1 | 1 |

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Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

| Drug Relationship | Total |
|--------------------------|-------|
| New use | 7 |
| Process | 2 |
| Component of Combination | 2 |
| General interest | 2 |
| Product (derivative) | 1 |
| Product | 1 |
| Formulation | 1 |

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dengue virus targeting compounds, Chimerix

dengue virus targeting compounds, Chimerix SNAPSHOT

| | |
|----------------------|---|
| Drug Name | dengue virus targeting compounds, Chimerix |
| Key Synonyms | |
| Originator Company | Chimerix Inc |
| Active Companies | Chimerix Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Dengue virus infection |
| Target-based Actions | |
| Other Actions | Unspecified drug target;Antiviral |
| Technologies | Small molecule therapeutic;Parenteral formulation unspecified |
| Last Change Date | 12-Mar-2013 |

dengue virus targeting compounds, Chimerix DEVELOPMENT PROFILE

SUMMARY

Chimerix is investigating therapeutics, presumed to be nucleoside analogs, for the potential prevention and treatment of dengue virus infection. In January 2011, screening for the lead compound was underway ; in March 2013, this was still the case.

dengue virus targeting compounds, Chimerix DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|--------------|------------------------|---------|--------------------|-------------|
| Chimerix Inc | Dengue virus infection | US | Discovery | 04-Jan-2011 |

dengue virus targeting compounds, Chimerix DRUG NAMES

| Names | Type |
|--|------|
| dengue virus targeting compounds, Chimerix | |

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influenza A and B virus targeting compounds, Chimerix

influenza A and B virus targeting compounds, Chimerix SNAPSHOT

| | |
|----------------------|---|
| Drug Name | influenza A and B virus targeting compounds, Chimerix |
| Key Synonyms | |
| Originator Company | Chimerix Inc |
| Active Companies | Chimerix Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Influenza virus infection |
| Target-based Actions | |
| Other Actions | Antiviral;Unspecified drug target |
| Technologies | Small molecule therapeutic;Parenteral formulation unspecified |
| Last Change Date | 12-Mar-2013 |

influenza A and B virus targeting compounds, Chimerix DEVELOPMENT PROFILE

SUMMARY

Chimerix is investigating compounds, presumed to be nucleoside analogs for the potential prevention and treatment of influenza A and B viral infections. By January 2011, the company had identified active compounds against influenza. In March 2013, screening for the lead compound was underway.

influenza A and B virus targeting compounds, Chimerix DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|--------------|---------------------------|---------|--------------------|-------------|
| Chimerix Inc | Influenza virus infection | US | Discovery | 04-Jan-2011 |

influenza A and B virus targeting compounds, Chimerix DRUG NAMES

| Names | Type |
|---|------|
| influenza A and B virus targeting compounds, Chimerix | |

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antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix

antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix SNAPSHOT

| | |
|-----------------------------|--|
| Drug Name | antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix |
| Key Synonyms | |
| Originator Company | iThemba Pharmaceuticals Pty Ltd |
| Active Companies | iThemba Pharmaceuticals Pty Ltd;Chimerix Inc |
| Inactive Companies | Medicines for Malaria Venture |
| Highest Status | Discovery |
| Active Indications | Plasmodium infection |
| Target-based Actions | |
| Other Actions | Unspecified drug target;Antiparasitic |
| Technologies | Small molecule therapeutic |
| Last Change Date | 08-Mar-2013 |

antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix DEVELOPMENT PROFILE

SUMMARY

iThemba Pharmaceuticals and Chimerix are investigating small molecule therapeutics for the potential

The drug was previously investigated in collaboration with Medicines For Malaria Venture. However, no further development was reported.

antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|---------------------------------|----------------------|--------------|-------------------------|-------------|
| Chimerix Inc | Plasmodium infection | US | Discovery | 02-Apr-2009 |
| iThemba Pharmaceuticals Pty Ltd | Plasmodium infection | South Africa | Discovery | 06-May-2010 |
| Medicines for Malaria Venture | Plasmodium infection | Switzerland | No Development Reported | 31-Oct-2010 |

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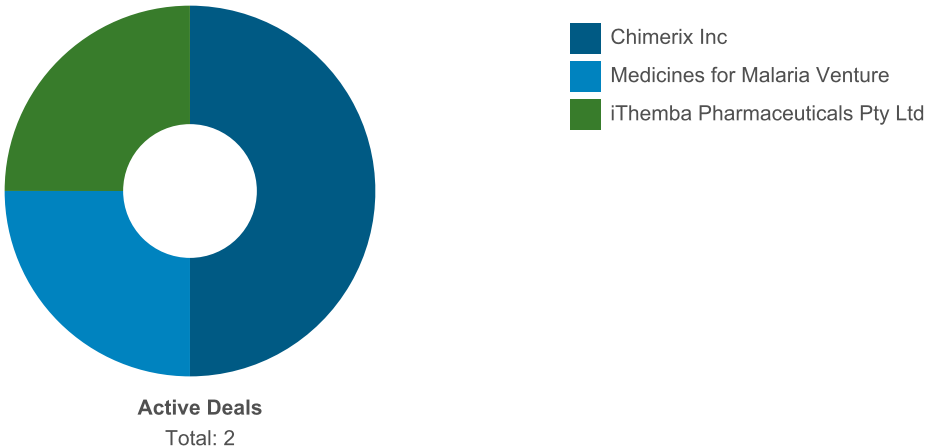
antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix DRUG NAMES

| Names | Type |
|--|------|
| antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix | |

antimalarial compounds, iThemba Pharmaceuticals/Medicines For Malaria Venture/Chimerix DEALS AND PATENTS

DEALS

Deals by Parent Company Chart

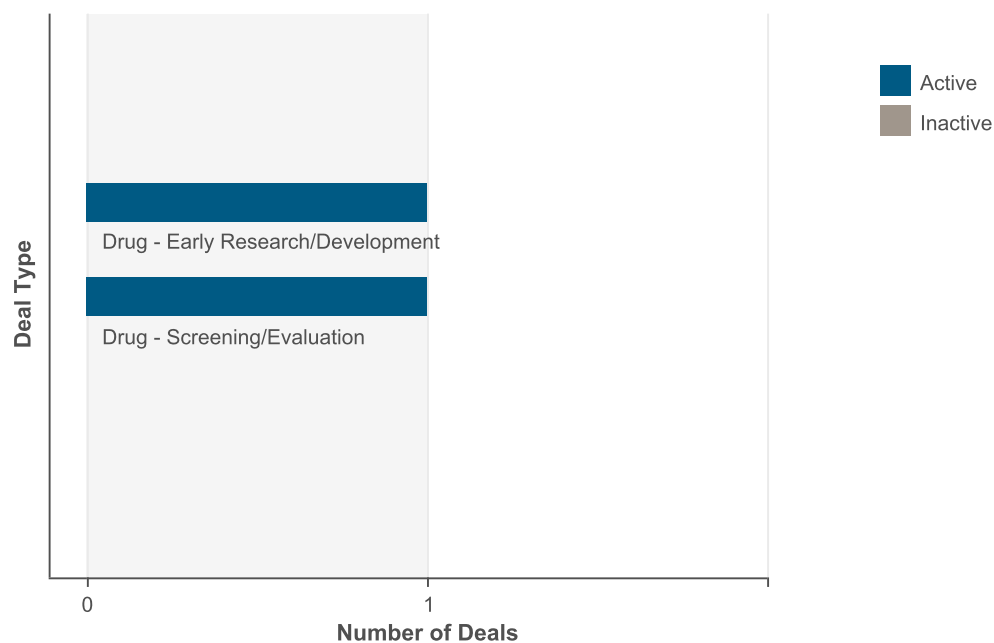


Deals by Parent Company Table

| Company Name | Principal | | Partner | | Total |
|---------------------------------|-----------|----------|---------|----------|-------|
| | Active | Inactive | Active | Inactive | |
| Chimerix Inc | 2 | 0 | 0 | 0 | 2 |
| Medicines for Malaria Venture | 0 | 0 | 1 | 0 | 1 |
| iThemba Pharmaceuticals Pty Ltd | 0 | 0 | 1 | 0 | 1 |

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Deals by Type Chart



Deals by Type Table

| Deal Type | Active | Inactive | Total |
|-----------------------------------|--------|----------|-------|
| Drug - Screening/Evaluation | 1 | 0 | 1 |
| Drug - Early Research/Development | 1 | 0 | 1 |

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nucleoside analogs (hepatitis C virus infection), Chimerix

nucleoside analogs (hepatitis C virus infection), Chimerix SNAPSHOT

| | |
|----------------------|--|
| Drug Name | nucleoside analogs (hepatitis C virus infection), Chimerix |
| Key Synonyms | |
| Originator Company | Chimerix Inc |
| Active Companies | Chimerix Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Hepatitis |
| Target-based Actions | Hepatitis C virus NS5B polymerase inhibitor |
| Other Actions | Antiviral |
| Technologies | Small molecule therapeutic;Nucleotide and derivatives |
| Last Change Date | 07-Mar-2013 |

nucleoside analogs (hepatitis C virus infection), Chimerix DEVELOPMENT PROFILE

SUMMARY

Chimerix is investigating a series of nucleoside analogs, including HCV polymerase inhibitors, for the potential treatment of HCV infection. In January 2011, the company planned to select the lead compound for preclinical development. At that time, it also planned to identify additional back-up compounds ; in March 2013, this was still the case.

The company is also developing the drug CMX-157 for chronic HBV infection.

nucleoside analogs (hepatitis C virus infection), Chimerix DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|--------------|------------|---------|--------------------|-------------|
| Chimerix Inc | Hepatitis | US | Discovery | 31-Dec-2009 |

nucleoside analogs (hepatitis C virus infection), Chimerix DRUG NAMES

| Names | Type |
|--|------|
| nucleoside analogs (hepatitis C virus infection), Chimerix | |

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Mycobacterium tuberculosis infection targeting compounds, Chimerix

Mycobacterium tuberculosis infection targeting compounds, Chimerix SNAPSHOT

| | |
|----------------------|--|
| Drug Name | Mycobacterium tuberculosis infection targeting compounds, Chimerix |
| Key Synonyms | |
| Originator Company | Chimerix Inc |
| Active Companies | Chimerix Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Mycobacterium tuberculosis infection |
| Target-based Actions | |
| Other Actions | Unspecified drug target;Antibacterial |
| Technologies | Small molecule therapeutic |
| Last Change Date | 11-Mar-2013 |

Mycobacterium tuberculosis infection targeting compounds, Chimerix DEVELOPMENT PROFILE

SUMMARY

Chimerix Inc is investigating compounds, presumed to be nucleoside analogs, for the potential prevention and treatment of tuberculosis. In January 2011, screening for the lead compound was underway ; in March 2013, this was still the case.

Mycobacterium tuberculosis infection targeting compounds, Chimerix DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

| Company | Indication | Country | Development Status | Date |
|--------------|--------------------------------------|---------|--------------------|-------------|
| Chimerix Inc | Mycobacterium tuberculosis infection | US | Discovery | 04-Jan-2011 |

Mycobacterium tuberculosis infection targeting compounds, Chimerix DRUG NAMES

| Names | Type |
|--|------|
| Mycobacterium tuberculosis infection targeting compounds, Chimerix | |

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