

Stemline Therapeutics Inc

COMPANY AND PIPELINE OVERVIEW REPORT

Coverage of the company and a summary of the drug pipeline portfolio.

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

| | |
|--|--|
| Company Name | Stemline Therapeutics Inc |
| Parent Company Name | Stemline Therapeutics Inc |
| Website | http://www.stemline.com/ |
| Country | US |
| Number of Drugs in Active Development | 13 |
| Number of Inactive Drugs | 2 |
| Number of Patents as Owner | 5 |
| Number of Patents as Third Party | 0 |
| Number of Deals | 4 |
| Key Indications | Cancer,Solid tumor,Acute myelogenous leukemia,Bladder tumor,Chronic myelocytic leukemia,Glioma,Hematological neoplasm,Myelodysplastic syndrome,Neoplasm,Myeloid leukemia |
| Key Target-based Actions | IL-3 receptor modulator,CDw123 modulator,Frizzled receptor modulator,Glypican-3 modulator,Notch receptor modulator,Prominin 1 modulator,Smoothed receptor modulator,Tie 1 tyrosine kinase receptor modulator,CDw123 antagonist |
| Key Technologies | Biological therapeutic,Parenteral formulation unspecified,Monoclonal antibody,Small molecule therapeutic,Monoclonal antibody conjugated,ELISA,Imaging,Stem cell therapy,Analytical method,Antibody conjugated,Drug screening,Fluorescence,Immunodetection,Immunofluorescence,PCR based |

COMPANY PROFILE

SUMMARY

Stemline Therapeutics Inc is a clinical stage biopharmaceutical company that develops oncology compounds directed at cancer stem cell targets and tumor bulks.

FINANCIAL

In January 2013, the company was to raise gross proceeds of \$33,176,440, through an IPO of 3,317,644 shares of common stock priced at \$10 each. Underwriters were granted a 45-day option to purchase additional shares up to 497,647 shares of common stock to cover over-allotments. The offering was expected to close on January 31, 2013. At that time, shares were expected to be traded on the NASDAQ market on January 29, 2013. In January 2013, underwriters exercised in full their overallotment option increasing gross proceeds from the offering to \$38,152,910; later that month, the offering was closed.

In April 2012, the company had filed a registration statement with the SEC for a proposed IPO of its common stock.

In April 2008, Stemline raised \$12.5 million from a financing round.

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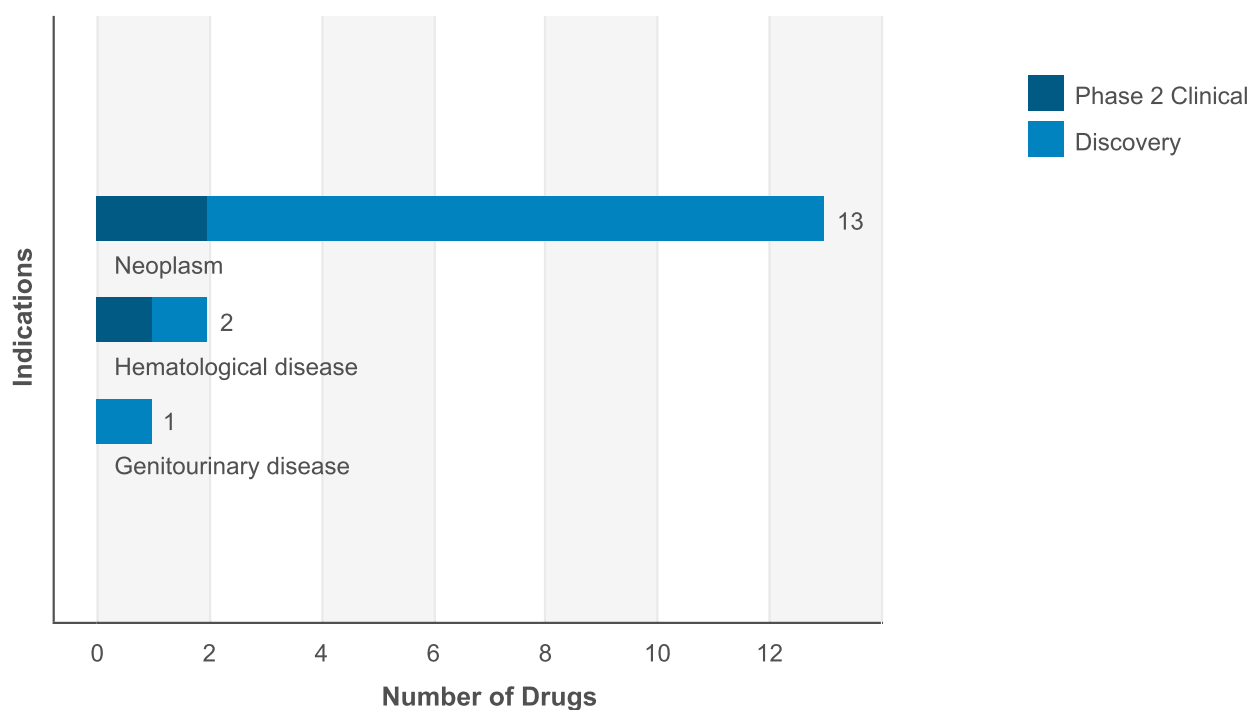


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



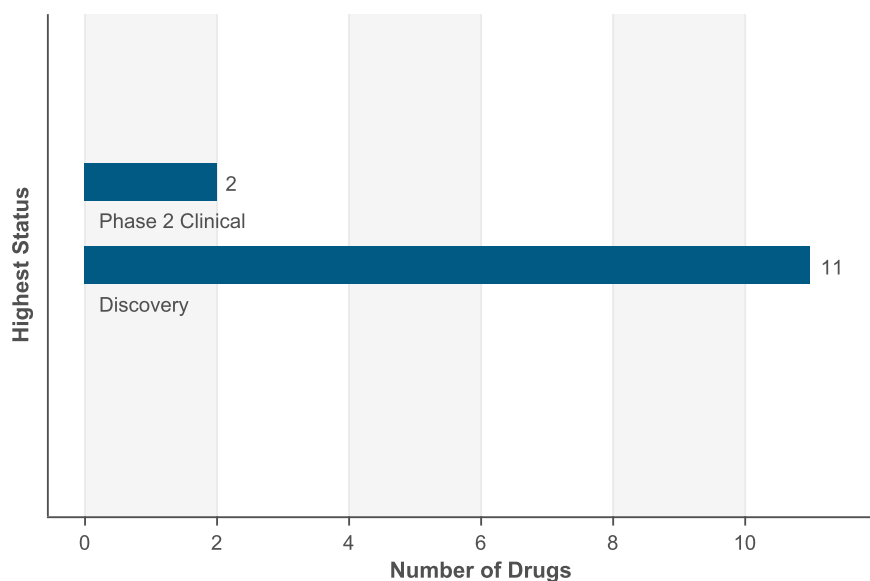
Drugs by Indication Table

| Indication | Active | Inactive | Total |
|-----------------------|--------|----------|-------|
| Neoplasm | 13 | 2 | 15 |
| Hematological disease | 2 | 2 | 4 |
| Genitourinary disease | 1 | 0 | 1 |

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Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

| Development Status | Number of Drugs |
|-------------------------|-----------------|
| Phase 2 Clinical | 2 |
| Discovery | 11 |
| No Development Reported | 2 |

DEALS

| Deal Type | Principal | | Partner | | Total |
|--|-----------|----------|---------|----------|-------|
| | Active | Inactive | Active | Inactive | |
| Drug - Early Research/Development | 0 | 0 | 1 | 0 | 1 |
| Drug - Development/Commercialization License | 0 | 0 | 1 | 0 | 1 |
| Drug - Development Services | 0 | 0 | 1 | 0 | 1 |
| Technology - Target Validation | 0 | 0 | 1 | 0 | 1 |

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CLINICAL TRIALS

Trials by Condition Studied

| Condition Studied | Ongoing | All |
|-----------------------|---------|-----|
| Neoplasm | 0 | 3 |
| Hematological disease | 0 | 1 |

Trials by Phase

| Phase | Ongoing | All |
|---------------------|---------|-----|
| Phase 1 | 0 | 2 |
| 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

PATENTS *

| Indication | As Owner | As Third Party | Total |
|-----------------------|----------|----------------|-------|
| Hematological disease | 1 | 0 | 1 |
| Neoplasm | 5 | 0 | 5 |

* 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 DRUGS

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

SL-401

| | |
|-----------------------------|---|
| Drug Name | SL-401 |
| Key Synonyms | |
| Originator Company | Duke University |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | Duke University |
| Highest Status | Phase 2 Clinical |
| Active Indications | Chronic myelocytic leukemia, Acute myelogenous leukemia, Myelodysplastic syndrome, Neoplasm, Cancer |
| Target-based Actions | CDw123 modulator |
| Other Actions | Anticancer, Immunotoxin |
| Technologies | Systemic formulation unspecified, Biological therapeutic, Small molecule therapeutic |
| Last Change Date | 08-Jan-2013 |

SL-701

| | |
|-----------------------------|--|
| Drug Name | SL-701 |
| Key Synonyms | |
| Originator Company | University of Pittsburgh |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | University of Pittsburgh |
| Highest Status | Phase 2 Clinical |
| Active Indications | Glioma |
| Target-based Actions | |
| Other Actions | Anticancer, Therapeutic vaccine |
| Technologies | Systemic formulation unspecified, Biological therapeutic, Peptide, Adult stem cell therapy |
| Last Change Date | 08-Jan-2013 |

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SL-101

| | |
|-----------------------------|--|
| Drug Name | SL-101 |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Hematological neoplasm |
| Target-based Actions | IL-3 receptor modulator, CDw123 modulator |
| Other Actions | Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody conjugated, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 10-Dec-2012 |

SL-301

| | |
|-----------------------------|----------------------------|
| Drug Name | SL-301 |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Solid tumor |
| Target-based Actions | Notch receptor modulator |
| Other Actions | Anticancer |
| Technologies | Small molecule therapeutic |
| Last Change Date | 10-Mar-2011 |

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SL-201

| | |
|----------------------|-------------------------------------|
| Drug Name | SL-201 |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | |
| Other Actions | Unspecified drug target, Anticancer |
| Technologies | Small molecule therapeutic |
| Last Change Date | 10-Mar-2011 |

SL-601

| | |
|----------------------|---|
| Drug Name | SL-601 |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Bladder tumor |
| Target-based Actions | |
| Other Actions | Unspecified drug target, Anticancer antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 10-Mar-2011 |

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mAb based glypican-3 modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based glypican-3 modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | Glypican-3 modulator |
| Other Actions | Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 18-Sep-2012 |

mAb based Tie-1 modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based Tie-1 modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | Tie 1 tyrosine kinase receptor modulator |
| Other Actions | Anticancer protein kinase inhibitor, Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 16-Mar-2011 |

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mAb based CD-133 modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based CD-133 modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | Prominin 1 modulator |
| Other Actions | Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 15-Mar-2011 |

small molecule therapeutics (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | small molecule therapeutics (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | |
| Other Actions | Anticancer, Stem cell inhibitor |
| Technologies | Small molecule therapeutic |
| Last Change Date | 18-Sep-2012 |

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mAb based frz receptor modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based frz receptor modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | Frizzled receptor modulator |
| Other Actions | Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 18-Sep-2012 |

mAb based Smo modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based Smo modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | Smoothened receptor modulator |
| Other Actions | Anticancer monoclonal antibody |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 16-Mar-2011 |

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mAb based Ptc modulators (cancer), Stemline Therapeutics

| | |
|-----------------------------|---|
| Drug Name | mAb based Ptc modulators (cancer), Stemline Therapeutics |
| Key Synonyms | |
| Originator Company | Stemline Therapeutics Inc |
| Active Companies | Stemline Therapeutics Inc |
| Inactive Companies | |
| Highest Status | Discovery |
| Active Indications | Cancer |
| Target-based Actions | |
| Other Actions | Anticancer monoclonal antibody, Unspecified drug target |
| Technologies | Monoclonal antibody, Biological therapeutic, Parenteral formulation unspecified |
| Last Change Date | 16-Mar-2011 |

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