

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	GlycoMimetics Inc
Parent Company Name	GlycoMimetics Inc
Website	http://www.glycomimetics.com/
Country	US
Number of Drugs in Active Development	5
Number of Inactive Drugs	2
Number of Patents as Owner	20
Number of Patents as Third Party	0
Number of Deals	5
Key Indications	Hematological neoplasm, Inflammatory disease, Acute myelogenous leukemia, Acquired immune deficiency syndrome, Metastasis, Pancreas tumor, Pseudomonas aeruginosa infection, Sickle cell crisis, Thromboembolism, Toxicity
Key Target-based Actions	E-Selectin antagonist, Cell adhesion molecule inhibitor, CXCR4 chemokine antagonist, P-Selectin antagonist, L-Selectin antagonist, CD62E modulator, Dendritic ICAM-3 grabbing nonintegrin 1 inhibitor, Selectin antagonist
Key Technologies	Small molecule therapeutic, Oral formulation, Intravenous formulation, Biological therapeutic, Infusion, Nasal systemic formulation, Peptidomimetic

COMPANY PROFILE

SUMMARY

GlycoMimetics Inc (GMI) is active in the field of glycobiology and develops small-molecule drugs that mimic the functions of certain carbohydrates. The company's initial focus is on therapeutics to treat inflammatory diseases and cancer.

ACQUISITIONS AND SPIN-OFFS

By early 2003, GMI had acquired the assets of GlycoTech Corp, including exclusive rights to 15 issued US patents and numerous small molecules that could have therapeutic potential.

FINANCIAL

In October 2009, GlycoMimetics raised \$38 million from a venture financing round.

In June 2006, GlycoMimetics raised an additional \$15.4 million from its series B financing. It planned to use the funds for preclinical development of its selectin inhibitors for inflammation and its lectin-binding glycomimetics for infection.

In August 2004, GlycoMimetics raised an additional \$5.1 million from an extension to a series A seed financing, bringing total proceeds to \$9.6 million. The funds would be used to advance the company's research programs.

In May 2003, GMI closed on its initial seed round of venture financing.

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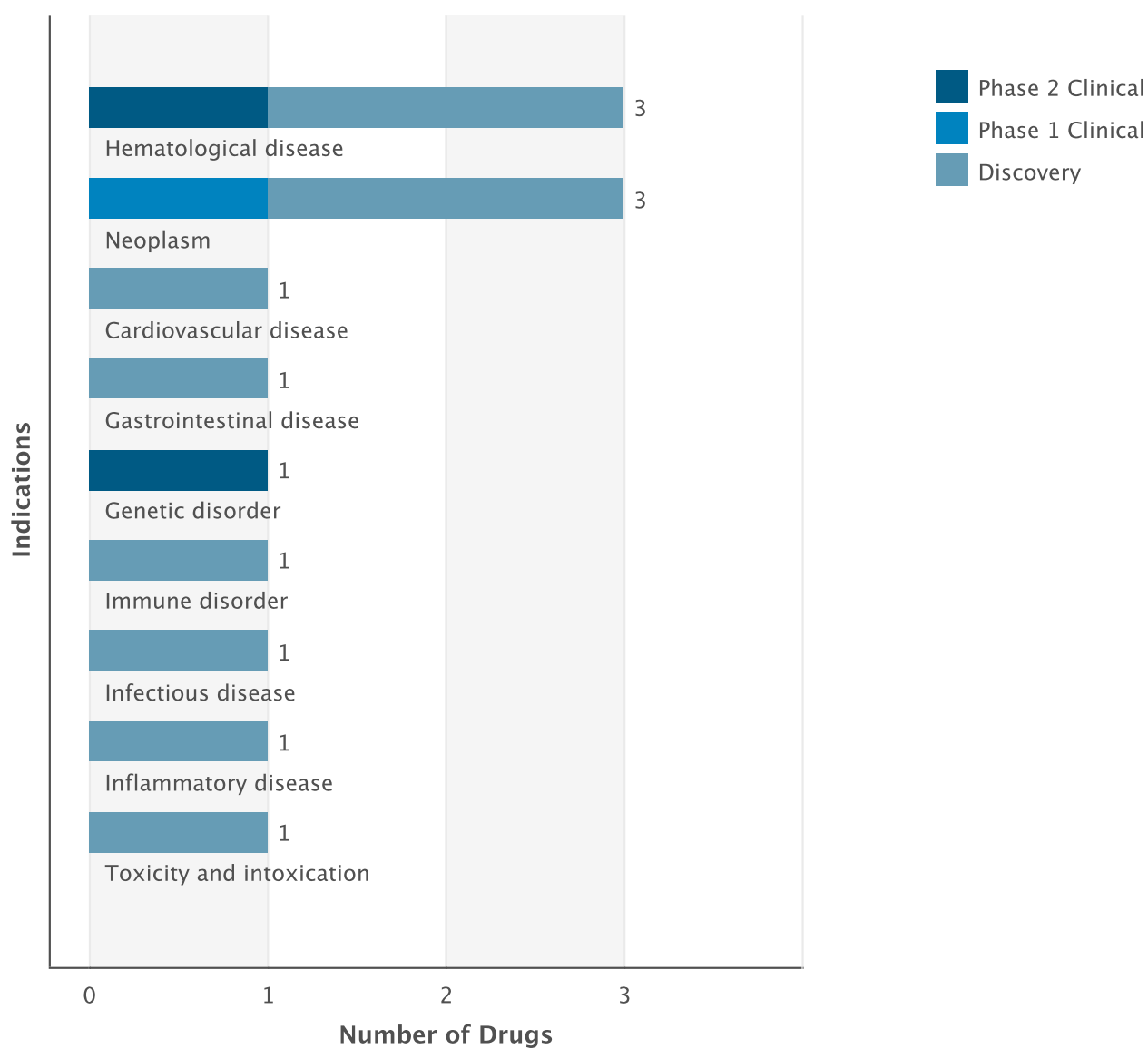


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

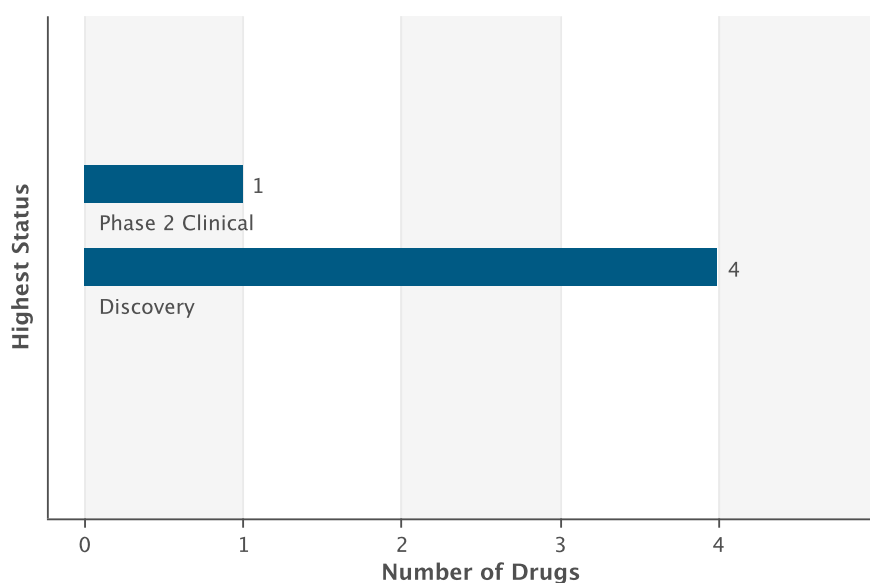
Indication	Active	Inactive	Total
Neoplasm	3	0	3
Inflammatory disease	1	2	3
Hematological disease	3	0	3

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Immune disorder	1	1	2
Infectious disease	1	1	2
Toxicity and intoxication	1	0	1
Respiratory disease	0	1	1
Cardiovascular disease	1	0	1
Genetic disorder	1	0	1
Gastrointestinal disease	1	0	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
Discovery	4
No Development Reported	2

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DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Discovery/Design	0	0	1	0	1
Drug - Funding	1	0	0	0	1
Drug - Early Research/Development	1	0	0	0	1
Drug - Development/Commercialization License	1	0	0	0	1
Drug - Development Services	0	0	1	0	1

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Hematological disease	0	3
Genetic disorder	0	3

Trials by Phase

Phase	Ongoing	All
Phase 2	0	1
Phase 1	0	3

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	6	0	6
Endocrine disease	3	0	3
Gastrointestinal disease	4	0	4
Hematological disease	8	0	8
Degeneration	1	0	1

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Immune disorder	10	0	10
Musculoskeletal disease	2	0	2
Neoplasm	8	0	8
Ocular disease	1	0	1
Genetic disorder	3	0	3
Metabolic disorder	3	0	3
Neurological disease	2	0	2
Respiratory disease	3	0	3
Infectious disease	7	0	7
Injury	2	0	2
Inflammatory disease	12	0	12
Dermatological disease	5	0	5
Ulcer	1	0	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 DRUGS

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

rivipansel sodium (asthma/sickle cell anemia/hematological neoplasm), GlycoMimetics/ Pfizer

Drug Name	rivipansel sodium (asthma/sickle cell anemia/hematological neoplasm), GlycoMimetics/ Pfizer
Key Synonyms	rivipansel sodium
Originator Company	GlycoMimetics Inc
Active Companies	GlycoMimetics Inc, Pfizer Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Toxicity, Sickle cell crisis, Hematological neoplasm
Target-based Actions	P-Selectin antagonist, E-Selectin antagonist, L-Selectin antagonist, Cell adhesion molecule inhibitor
Other Actions	Chemoprotectant, Anticancer, Platelet aggregation inhibitor, Anti-inflammatory
Technologies	Intravenous formulation, Infusion, Small molecule therapeutic
Last Change Date	17-Apr-2013

GMI-1051

Drug Name	GMI-1051
Key Synonyms	
Originator Company	GlycoMimetics Inc
Active Companies	GlycoMimetics Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Pseudomonas aeruginosa infection
Target-based Actions	
Other Actions	Antibacterial, Bacterial pathogenicity factor modulator, Unspecified drug target
Technologies	Nasal systemic formulation, Small molecule therapeutic
Last Change Date	13-Jul-2012

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GMI-1271

Drug Name	GMI-1271
Key Synonyms	
Originator Company	GlycoMimetics Inc
Active Companies	GlycoMimetics Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Thromboembolism, Pancreas tumor, Acute myelogenous leukemia, Metastasis
Target-based Actions	E-Selectin antagonist
Other Actions	Anticancer, Anti-inflammatory
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	20-Dec-2012

dual E-selectin and CXCR4 inhibitors (hematological cancer/inflammation), GlycoMimetics

Drug Name	dual E-selectin and CXCR4 inhibitors (hematological cancer/inflammation), GlycoMimetics
Key Synonyms	
Originator Company	GlycoMimetics Inc
Active Companies	GlycoMimetics Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Hematological neoplasm, Inflammatory disease
Target-based Actions	E-Selectin antagonist, CXCR4 chemokine antagonist, Cell adhesion molecule inhibitor
Other Actions	Anticancer chemosensitizer, Anti-inflammatory
Technologies	Small molecule therapeutic
Last Change Date	03-Aug-2012

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glycomimetic AIDS vaccine, GlycoMimetics/ International AIDS Vaccine Initiative

Drug Name	glycomimetic AIDS vaccine, GlycoMimetics/ International AIDS Vaccine Initiative
Key Synonyms	
Originator Company	GlycoMimetics Inc
Active Companies	International AIDS Vaccine Initiative, GlycoMimetics Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Acquired immune deficiency syndrome
Target-based Actions	
Other Actions	Unspecified drug target, Antiviral, Therapeutic vaccine, Prophylactic vaccine
Technologies	Biological therapeutic
Last Change Date	18-Jan-2013

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