

## Conatus Pharmaceuticals Inc

### COMPANY AND PIPELINE OVERVIEW REPORT

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

Publication Date: 06-Jan-2013

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	Conatus Pharmaceuticals Inc
Parent Company Name	Conatus Pharmaceuticals Inc
Website	http://www.conatuspharma.com
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	9
Number of Patents as Owner	25
Number of Patents as Third Party	3
Number of Deals	10
Key Indications	Hepatitis C virus infection,Non-alcoholic steatohepatitis,Cancer,Diabetes mellitus,Idiopathic pulmonary fibrosis,Islet cell transplant rejection,Liver failure,Liver transplantation,Hepatitis B virus infection,Liver disease
Key Target-based Actions	Caspase inhibitor,Interleukin-1 converting enzyme inhibitor,SMAC protein modulator,Matrix metalloprotease inhibitor
Key Technologies	Small molecule therapeutic,Oral formulation,Biological therapeutic,Intravenous formulation,Crystalline form,Drug combination

## COMPANY PROFILE

### SUMMARY

Conatus was formed in July 2005 by the former management of Idun Pharmaceuticals following that company's acquisition by Pfizer. Conatus's R&D is centered on inflammation and liver disease.

### FINANCIAL

In February 2011, Conatus closed a \$20 million series B preferred stock private placement financing and converted promissory bridge notes into series B preferred stock. In April 2011, Conatus closed a second tranche of the series B private placement financing raising \$7.5 million. The total capital raised was \$32.5 million.

In January 2007, Conatus completed the first \$5.5 million of its \$27.5 million preferred stock private placement financing. The company was to use the proceeds to develop a clinical stage hepatitis C virus drug candidate it licensed from Roche Holding, and to identify additional licensing opportunities. In May 2007, Conatus raised the final \$22 million in its \$27.5 million series A private placement. The closing was associated with the achievement of a preclinical CTS-1027 milestone.

## SUBSIDIARY COMPANIES

Names
Idun Pharmaceuticals Inc

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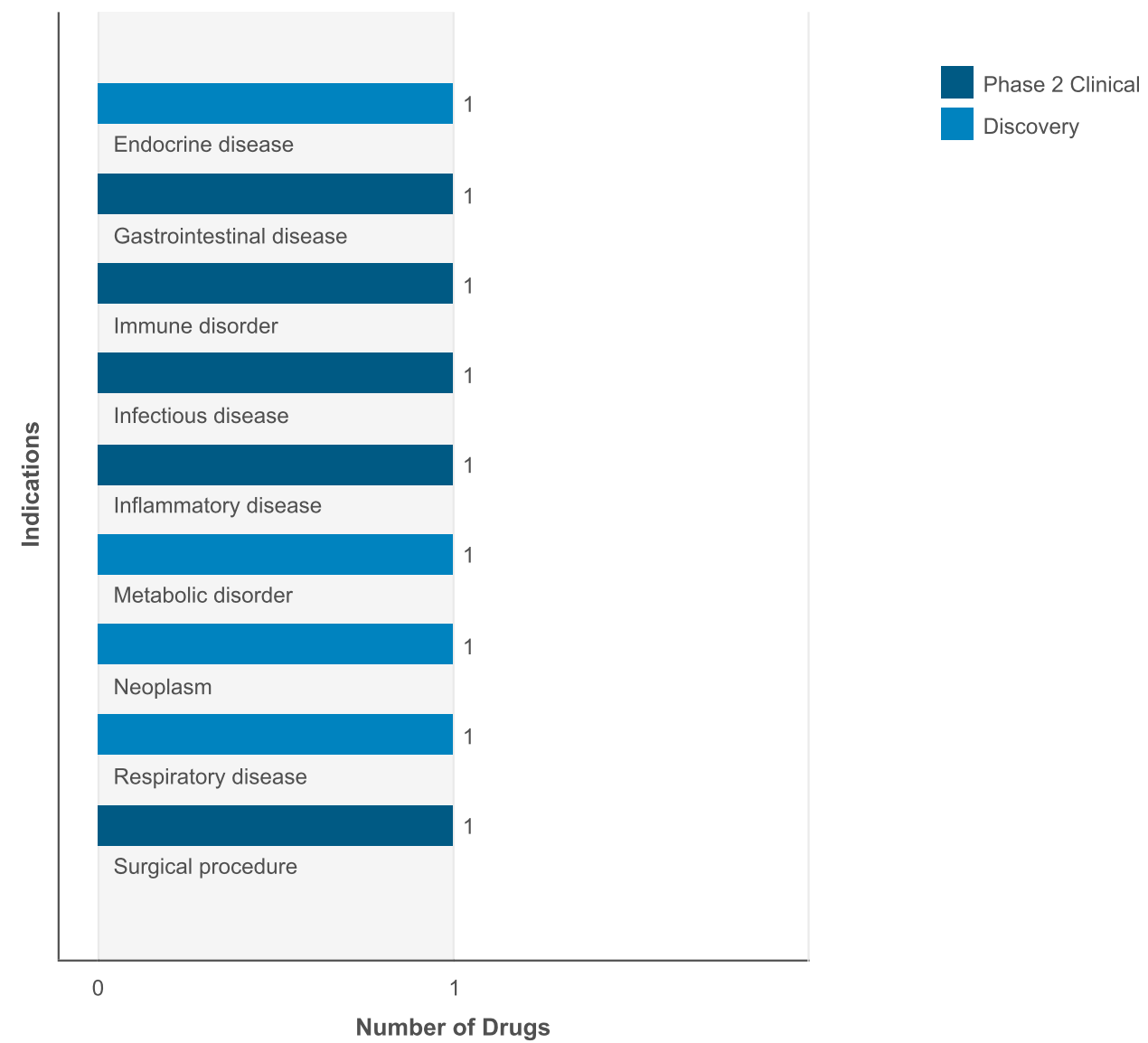


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

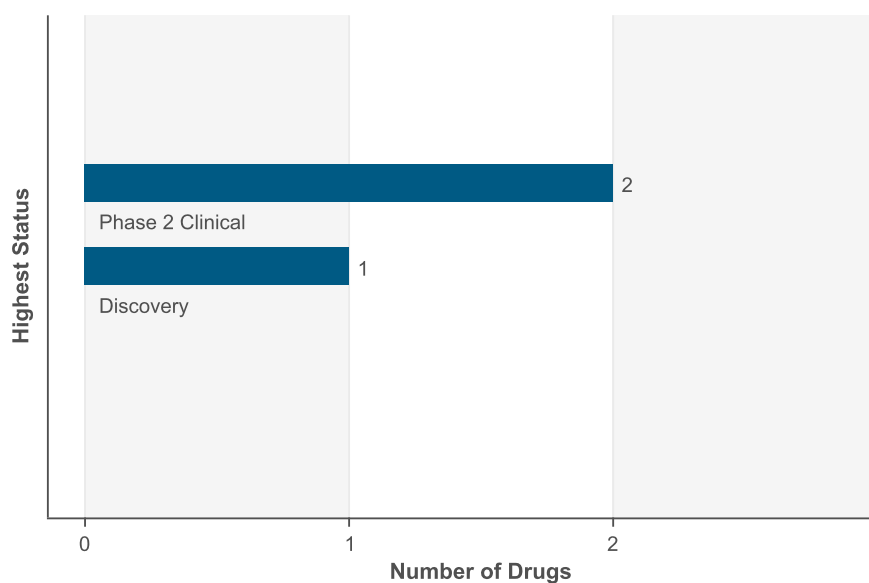
Indication	Active	Inactive	Total
Cardiovascular disease	0	4	4
Neoplasm	1	3	4
Inflammatory disease	1	2	3

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Infectious disease	1	1	2
Gastrointestinal disease	1	1	2
Neurological disease	0	2	2
Injury	0	1	1
Respiratory disease	1	0	1
Metabolic disorder	1	0	1
Immune disorder	1	0	1
Endocrine disease	1	0	1
Surgical procedure	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	2
Discovery	1
Discontinued	2
No Development Reported	3

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## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	1	0	2	0	3
Drug - Early Research/Development	3	0	1	0	5
Drug - Development/Commercialization License	0	0	1	0	2

## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Gastrointestinal disease	1	10
Inflammatory disease	0	8
Infectious disease	0	6
Cardiovascular disease	0	1
Neoplasm	0	1
Endocrine disease	1	1
Metabolic disorder	1	1
Surgical procedure	0	1

### Trials by Phase

Phase	Ongoing	All
Phase 2	0	7
Phase 1	1	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
Immune disorder	25	1	26

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Neoplasm	14	1	15
Ocular disease	1	0	1
Neurological disease	15	0	15
Degeneration	2	0	2
Cardiovascular disease	15	0	15
Endocrine disease	1	0	1
Genitourinary disease	1	0	1
Dermatological disease	1	0	1
Gastrointestinal disease	6	0	6
Hematological disease	3	1	4
Musculoskeletal disease	8	0	8
Respiratory disease	2	1	3
Infectious disease	7	0	7
Injury	4	0	4
Inflammatory disease	20	0	20

\* 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

### emricasan (oral, islet transplant rejection/liver disease), Conatus

<b>Drug Name</b>	emricasan (oral, islet transplant rejection/liver disease), Conatus
<b>Key Synonyms</b>	emricasan
<b>Originator Company</b>	Idun Pharmaceuticals Inc
<b>Active Companies</b>	Conatus Pharmaceuticals Inc
<b>Inactive Companies</b>	Pfizer Inc, Idun Pharmaceuticals Inc
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Liver failure, Hepatitis C virus infection, Islet cell transplant rejection, Non-alcoholic steatohepatitis, Idiopathic pulmonary fibrosis, Diabetes mellitus
<b>Target-based Actions</b>	Caspase inhibitor
<b>Other Actions</b>	Immunosuppressant, Cardioprotectant, Antiviral, Fibrosuppressant, Anti-inflammatory, Apoptosis inhibitor
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	14-Sep-2012

### emricasan (iv, liver transplantation), Conatus

<b>Drug Name</b>	emricasan (iv, liver transplantation), Conatus
<b>Key Synonyms</b>	emricasan
<b>Originator Company</b>	Idun Pharmaceuticals Inc
<b>Active Companies</b>	Conatus Pharmaceuticals Inc
<b>Inactive Companies</b>	Pfizer Inc, Idun Pharmaceuticals Inc
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Liver transplantation
<b>Target-based Actions</b>	Caspase inhibitor
<b>Other Actions</b>	Apoptosis inhibitor, Fibrosuppressant, Anti-inflammatory
<b>Technologies</b>	Intravenous formulation, Small molecule therapeutic
<b>Last Change Date</b>	21-Aug-2012

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## IDN-7314

<b>Drug Name</b>	IDN-7314
<b>Key Synonyms</b>	
<b>Originator Company</b>	Conatus Pharmaceuticals Inc
<b>Active Companies</b>	Conatus Pharmaceuticals Inc
<b>Inactive Companies</b>	Pfizer Inc, Idun Pharmaceuticals Inc
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Cancer
<b>Target-based Actions</b>	Caspase inhibitor
<b>Other Actions</b>	Anticancer
<b>Technologies</b>	Small molecule therapeutic
<b>Last Change Date</b>	25-Feb-2012

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