

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	Enanta Pharmaceuticals Inc
Parent Company Name	Enanta Pharmaceuticals Inc
Website	<a href="http://www.enanta.com/">http://www.enanta.com/</a>
Country	US
Number of Drugs in Active Development	7
Number of Inactive Drugs	3
Number of Patents as Owner	152
Number of Patents as Third Party	0
Number of Deals	5
Key Indications	Hepatitis C virus infection, Inflammatory disease, MRSA infection, Gram positive bacterium infection, Cystic fibrosis, Bacterial respiratory tract infection, Hepatitis B virus infection, Neisseria gonorrhoeae infection, HIV infection, Bacterial infection
Key Target-based Actions	Hepatitis C virus NS3 protease inhibitor, Hepatitis C virus protein NS5A inhibitor, Hepatitis C virus NS5B polymerase inhibitor, Peptidylprolyl isomerase inhibitor, Flavivirus NS3 protease inhibitor, Hepatitis C virus NS2-NS3 protease inhibitor, Hepatitis C virus protease inhibitor
Key Technologies	Small molecule therapeutic, Oral formulation, Dermatological formulation, Inhalant formulation, Intravenous formulation, Local formulation unspecified, Macrolide, Peptide, Chemical intermediate, Closed heterocyclic ring synthesis, Condensational synthesis, Electrophilic substitutional synthesis, Protective group synthesis

## COMPANY PROFILE

### SUMMARY

Enanta Pharmaceuticals is a drug discovery company specializing in the development of small molecule anti-infective agents, especially macrolide and ketolide antibiotics.

### LICENSING AGREEMENTS

In March 2003, Enanta received a milestone payment from Chiron for the completion of the first phase of Enanta's research for the discovery and development of small molecule HCV therapeutics. In September 2002, Enanta signed an exclusive, joint collaboration with Chiron for the discovery and development of small molecule HCV therapeutics. Enanta was to apply its macrocyclic chemistry and medicinal chemistry expertise to design and synthesize of compounds targeting enzymes involved in the replication of the virus. Chiron gave Enanta a non-exclusive license to its HCV patents and Enanta gave Chiron an exclusive worldwide license to compounds that were developed. Enanta was also to receive research funding, milestone payments and royalties, while Chiron was to be responsible for preclinical and clinical development, manufacturing and sales and marketing.

### FINANCIAL

In August 2004, Enanta raised \$20 million in new financing, including contributions from Shionogi & Co Ltd, in order to advance its bridged bicyclic ketolide, EP-013420, into phase I trials, and to progress the company's discovery-stage anti-infective programs.

In January 2004, Enanta raised \$12 million in financing to advance its lead macrolide antibiotic program into clinical trials.

In June 2002, raised \$18 million in a private financing.

In 1999, Enanta raised \$5.1 million of equity financing and in July 2000, received \$20 million in a second round of private financing.

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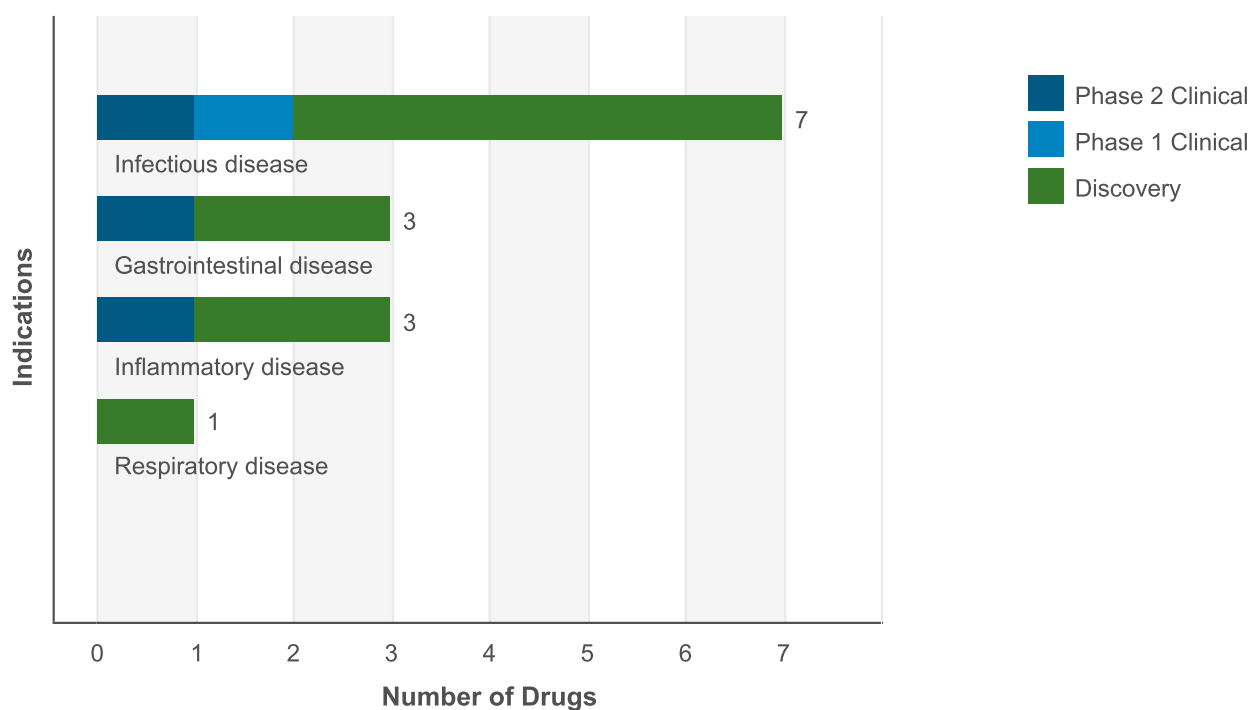


## PRODUCT PORTFOLIO SUMMARY

### DRUGS

#### Drugs by Indication

Active Drugs by Indication Chart



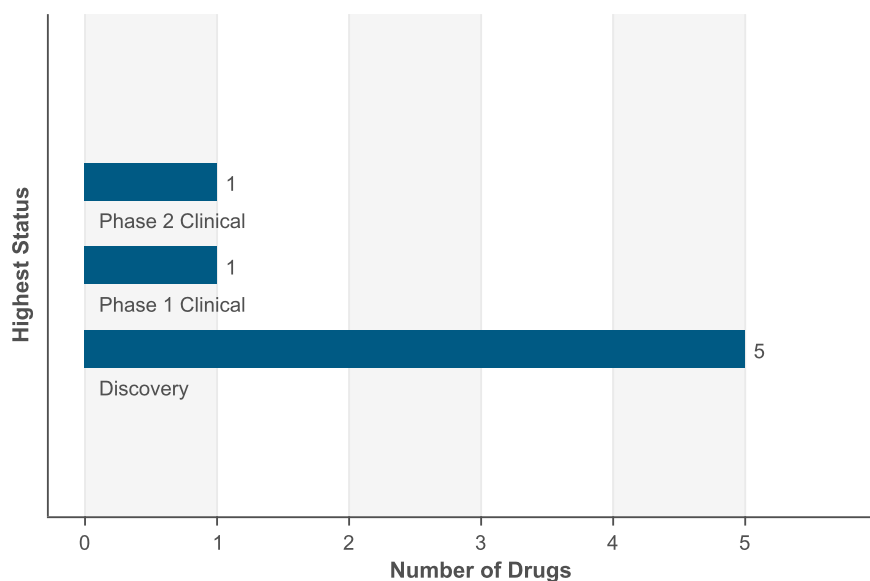
Drugs by Indication Table

Indication	Active	Inactive	Total
Infectious disease	7	2	9
Gastrointestinal disease	3	2	5
Inflammatory disease	3	2	5
Respiratory disease	1	2	3
Immune disorder	0	1	1
Dermatological disease	0	1	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	1
Phase 1 Clinical	1
Discovery	5
Discontinued	2
No Development Reported	1

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1
Drug - Development/Commercialization License	3	0	1	0	4

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## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Infectious disease	0	8
Respiratory disease	0	4
Gastrointestinal disease	0	1
Dermatological disease	0	1
Inflammatory disease	0	1

### Trials by Phase

Phase	Ongoing	All
Phase 2	0	3
Phase 1	0	5

### 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	13	0	13
Neoplasm	4	0	4
Ocular disease	3	0	3
Metabolic disorder	3	0	3
Mouth disease	2	0	2
Neurological disease	2	0	2
Degeneration	2	0	2
Cardiovascular disease	3	0	3
Endocrine disease	2	0	2
Genitourinary disease	1	0	1

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Dermatological disease	10	0	10
Ulcer	2	0	2
Otorhinolaryngological disease	8	0	8
Surgical procedure	3	0	3
Gastrointestinal disease	111	0	111
Growth disorder	2	0	2
Musculoskeletal disease	9	0	9
Respiratory disease	38	0	38
Infectious disease	148	0	148
Inflammatory disease	114	0	114
Gynecology and obstetrics	2	0	2
Temperature disorder	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

### ABT-450

<b>Drug Name</b>	ABT-450
<b>Key Synonyms</b>	
<b>Originator Company</b>	Chiron Corp
<b>Active Companies</b>	Abbott Laboratories, Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	Chiron Corp
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Hepatitis C virus infection
<b>Target-based Actions</b>	Hepatitis C virus NS3 protease inhibitor
<b>Other Actions</b>	Hepatitis C virus replication inhibitor
<b>Technologies</b>	Oral formulation, Capsule formulation, Small molecule therapeutic
<b>Last Change Date</b>	28-Aug-2012

### EDP-322

<b>Drug Name</b>	EDP-322
<b>Key Synonyms</b>	
<b>Originator Company</b>	Enanta Pharmaceuticals Inc
<b>Active Companies</b>	Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 1 Clinical
<b>Active Indications</b>	Gram positive bacterium infection
<b>Target-based Actions</b>	
<b>Other Actions</b>	Macrolide antibiotic
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	08-Feb-2012

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## modithromycin

<b>Drug Name</b>	modithromycin
<b>Key Synonyms</b>	modithromycin
<b>Originator Company</b>	Enanta Pharmaceuticals Inc
<b>Active Companies</b>	Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	Shionogi & Co Ltd
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Neisseria gonorrhoeae infection
<b>Target-based Actions</b>	
<b>Other Actions</b>	Macrolide antibiotic
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	18-Sep-2012

## EDP-MRSA-1 (intravenous), Enanta

<b>Drug Name</b>	EDP-MRSA-1 (intravenous), Enanta
<b>Key Synonyms</b>	
<b>Originator Company</b>	Enanta Pharmaceuticals Inc
<b>Active Companies</b>	Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	MRSA infection
<b>Target-based Actions</b>	
<b>Other Actions</b>	Macrolide antibiotic
<b>Technologies</b>	Intravenous formulation, Small molecule therapeutic
<b>Last Change Date</b>	04-Feb-2012

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### HCV polymerase inhibitors, Enanta

<b>Drug Name</b>	HCV polymerase inhibitors, Enanta
<b>Key Synonyms</b>	
<b>Originator Company</b>	Enanta Pharmaceuticals Inc
<b>Active Companies</b>	Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Hepatitis C virus infection
<b>Target-based Actions</b>	Hepatitis C virus NS5B polymerase inhibitor
<b>Other Actions</b>	
<b>Technologies</b>	Small molecule therapeutic
<b>Last Change Date</b>	26-Apr-2012

### HCV cyclophilin binders/replication inhibitors, Enanta

<b>Drug Name</b>	HCV cyclophilin binders/replication inhibitors, Enanta
<b>Key Synonyms</b>	
<b>Originator Company</b>	Enanta Pharmaceuticals Inc
<b>Active Companies</b>	Enanta Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Hepatitis C virus infection
<b>Target-based Actions</b>	Peptidylprolyl isomerase inhibitor
<b>Other Actions</b>	Hepatitis C virus replication inhibitor, Antiviral
<b>Technologies</b>	Small molecule therapeutic
<b>Last Change Date</b>	19-Nov-2011

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bicyclolide antibiotics (respiratory tract infection), Enanta

Drug Name	bicyclolide antibiotics (respiratory tract infection), Enanta
Key Synonyms	
Originator Company	Enanta Pharmaceuticals Inc
Active Companies	Enanta Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Bacterial respiratory tract infection
Target-based Actions	
Other Actions	Macrolide antibiotic
Technologies	Small molecule therapeutic
Last Change Date	14-Oct-2011

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