

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	Atara Biotherapeutics Inc
Parent Company Name	Atara Biotherapeutics Inc
Website	http://www.atarabio.com/
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	0
Number of Patents as Owner	1
Number of Patents as Third Party	0
Number of Deals	1
Key Indications	Cachexia,Cancer,End stage renal disease,Protein energy deficiency
Key Target-based Actions	GDF-8 antagonist
Key Technologies	Peptide,Antibody fragment,Biological therapeutic,Infusion,Intravenous formulation

## COMPANY PROFILE

### SUMMARY

Atara Biotherapeutics Inc, which was formed by Amgen and Kleiner Perkins Caufield & Byers, is a drug development company focused on treatments for chronic diseases in areas such as nephrology and oncology.

### FINANCIAL

In October 2014, Atara announced the pricing of its initial public offering of 5 million shares of its common stock at a price of \$11 per share. The shares began trading on the NASDAQ global select market under the ticker symbol "ATRA". The company had granted the underwriters a 30-day option to buy up to an additional 750,000 shares of common stock to cover over-allotments, if any. The offering was expected to close on October 21, 2014. Atara began trading on the NASDAQ market on October 16, 2014.

In December 2013, Atara raised \$38.5 million from a series B financing round. In January 2014, a second tranche of the series B financing was closed which brought the total raised in the financing round to \$52 million.

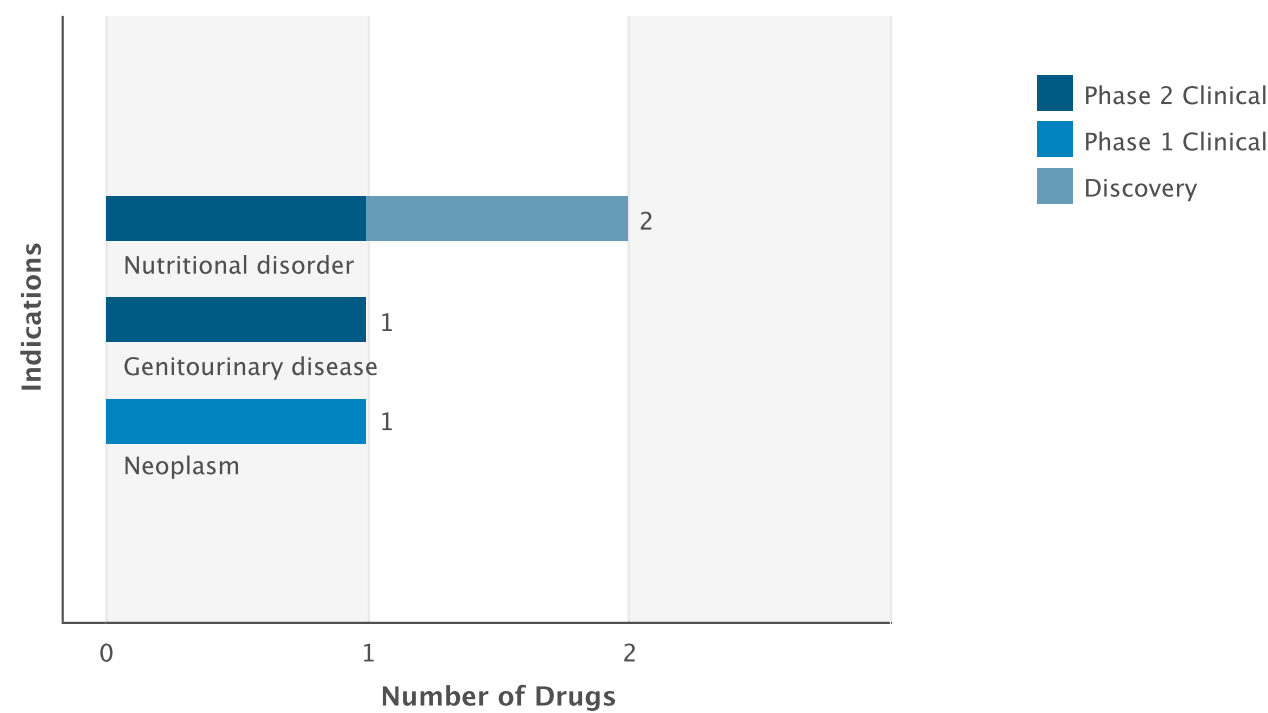
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# PRODUCT PORTFOLIO SUMMARY

## DRUGS

### Drugs by Indication

Active Drugs by Indication Chart



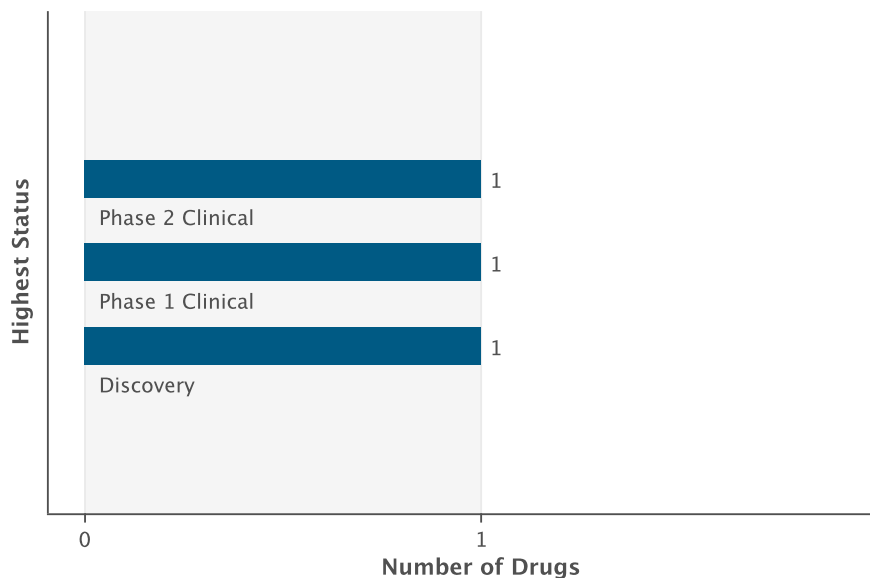
Drugs by Indication Table

Indication	Active	Inactive	Total
Nutritional disorder	2	0	2
Genitourinary disease	1	0	1
Neoplasm	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	1
Phase 1 Clinical	1
Discovery	1

## DEALS

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

## CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Genitourinary disease	1	1

Trials by Phase

Phase	Ongoing	All
Phase 1	1	1

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## 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	1	0	1
Endocrine disease	1	0	1
Gastrointestinal disease	1	0	1
Growth disorder	1	0	1
Immune disorder	1	0	1
Musculoskeletal disease	1	0	1
Neoplasm	1	0	1
Metabolic disorder	1	0	1
Neurological disease	1	0	1
Nutritional disorder	2	0	2
Injury	1	0	1
Inflammatory disease	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 DRUG PIPELINE DETAIL

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

### PINTA-745

#### PINTA-745 SNAPSHOT

Drug Name	PINTA-745
Key Synonyms	
Originator Company	Pinta Biotherapeutics
Active Companies	Pinta Biotherapeutics
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Protein energy deficiency;End stage renal disease
Target-based Actions	GDF-8 antagonist
Other Actions	Renal system agent
Technologies	Biological therapeutic;Intravenous formulation;Infusion;Antibody fragment;Peptide
Last Change Date	18-Dec-2013

#### PINTA-745 DEVELOPMENT PROFILE

##### SUMMARY

Pinta Biotherapeutics is developing PINTA-745, a peptibody that inhibits myostatin, for the potential iv infusion treatment of end stage renal disease and protein energy wasting. In November 2013, a phase I/II trial was initiated.

#### PINTA-745 DEVELOPMENT STATUS

##### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Pinta Biotherapeutics	End stage renal disease	US	Phase 2 Clinical	30-Nov-2013
Pinta Biotherapeutics	Protein energy deficiency	US	Phase 2 Clinical	30-Nov-2013

#### PINTA-745 DRUG NAMES

Names	Type
PINTA-745	Research Code

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## PINTA-745 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
End stage renal disease											
0	0	0	0	0	0	1	1	0	0	1	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	0	0	0	0	1	1	0	0	1	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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## STM-434

### STM-434 SNAPSHOT

Drug Name	STM-434
Key Synonyms	
Originator Company	Amgen Inc
Active Companies	Amgen Inc;Atara Biotherapeutics Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Cancer
Target-based Actions	Activin type-IIb receptor antagonist
Other Actions	Anticancer protein kinase inhibitor;Synergist
Technologies	Biological therapeutic;Parenteral formulation unspecified;Protein fusion;Antibody fragment
Last Change Date	23-Oct-2014

### STM-434 DEVELOPMENT PROFILE

#### SUMMARY

Amgen in collaboration with Atara Biotherapeutics are developing STM-434 (STM-217), a recombinant human soluble activin type 2B receptor Fc fusion protein (sActR2B-Fc) inhibiting activin A and myostatin signaling, for the potential treatment of cancers, including ovarian cancer and solid tumors,,. In October 2014, a phase I trial was initiated in the US.

### STM-434 DEVELOPMENT STATUS

#### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Amgen Inc	Cancer	US	Phase 1 Clinical	07-Oct-2014
Atara Biotherapeutics Inc	Cancer	US	Phase 1 Clinical	07-Oct-2014

### STM-434 DRUG NAMES

Names	Type
STM-434	Research Code
STM-217	Research Code
recombinant human soluble activin type 2B receptor Fc fusion protein (cancer), Amgen/Atara Biotherapeutics	

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## STM-434 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
Advanced solid tumor											
0	0	0	0	0	0	1	1	0	0	1	1
Ovary tumor											
0	0	0	0	0	0	1	1	0	0	1	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	0	0	0	0	1	1	0	0	1	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)

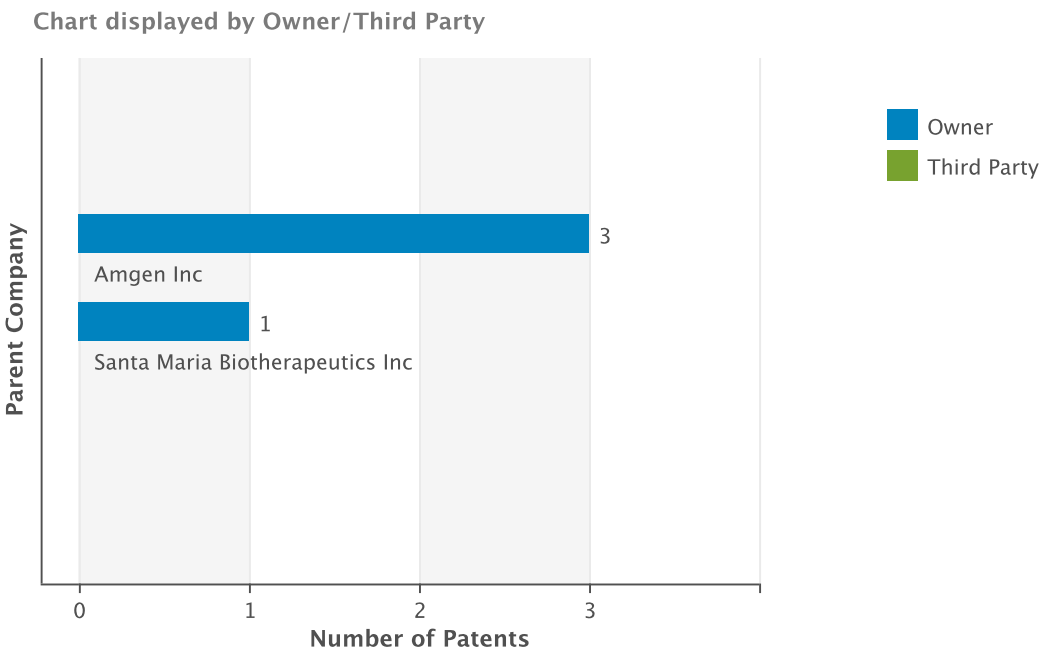
#### Phase 1 Clinical

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

Patents by Parent Company Chart

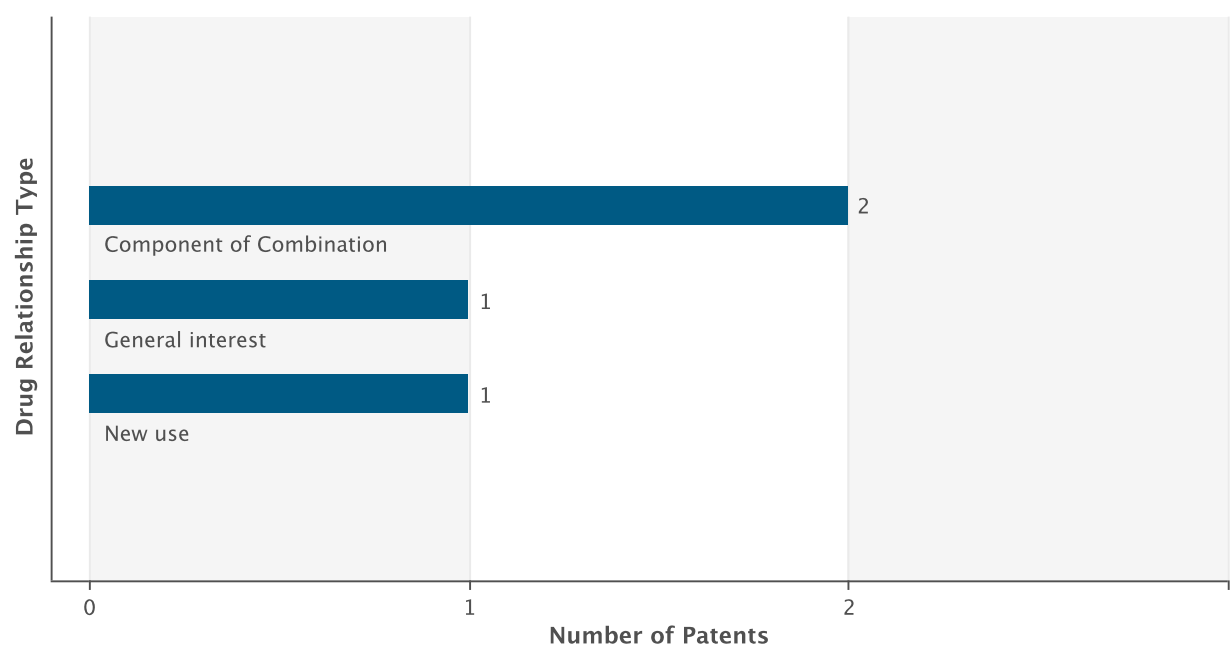


Patents by Parent Company Table

Company Name	As Owner	As Third Party	Total
Amgen Inc	3	0	3
Santa Maria Biotherapeutics Inc	1	0	1

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Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

Drug Relationship	Total
Component of Combination	2
New use	1
General interest	1

## ATA-842

### ATA-842 SNAPSHOT

Drug Name	ATA-842
Key Synonyms	
Originator Company	Amgen Inc
Active Companies	Atara Biotherapeutics Inc
Inactive Companies	Amgen Inc
Highest Status	Discovery
Active Indications	Cachexia
Target-based Actions	GDF-8 antagonist
Other Actions	
Technologies	Biological therapeutic;Systemic formulation unspecified;Antibody fragment;Peptide
Last Change Date	28-Aug-2014

### ATA-842 DEVELOPMENT PROFILE

#### SUMMARY

Atara Biotherapeutics under license from Amgen, is investigating ATA-842 (NINA-842; previously AMG-745), a peptibody that antagonizes myostatin (GDF-8), for the potential treatment of cachexia,. In December 2013, preclinical development was ongoing.

### ATA-842 DEVELOPMENT STATUS

#### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Atara Biotherapeutics Inc	Cachexia	US	Discovery	25-Oct-2012
Amgen Inc	Cachexia	US	Discontinued	25-Oct-2012

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## ATA-842 DRUG NAMES

Names	Type
growth differentiation factor-8 antagonist (cachexia), Amgen	
NINA-842	Research Code
AMG-745	Research Code
myostatin antagonist (cachexia), Amgen	
ATA-842	Research Code
GDF-8 antagonist (cachexia), Amgen	

## ATA-842 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
Prostate tumor											
0	0	0	0	0	0	0	1	0	0	0	1
Sarcopenia											
0	0	0	0	0	1	0	0	0	0	0	1
Cachexia											
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	0	0	0	2	0	1	0	0	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)

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## Phase 1 Clinical

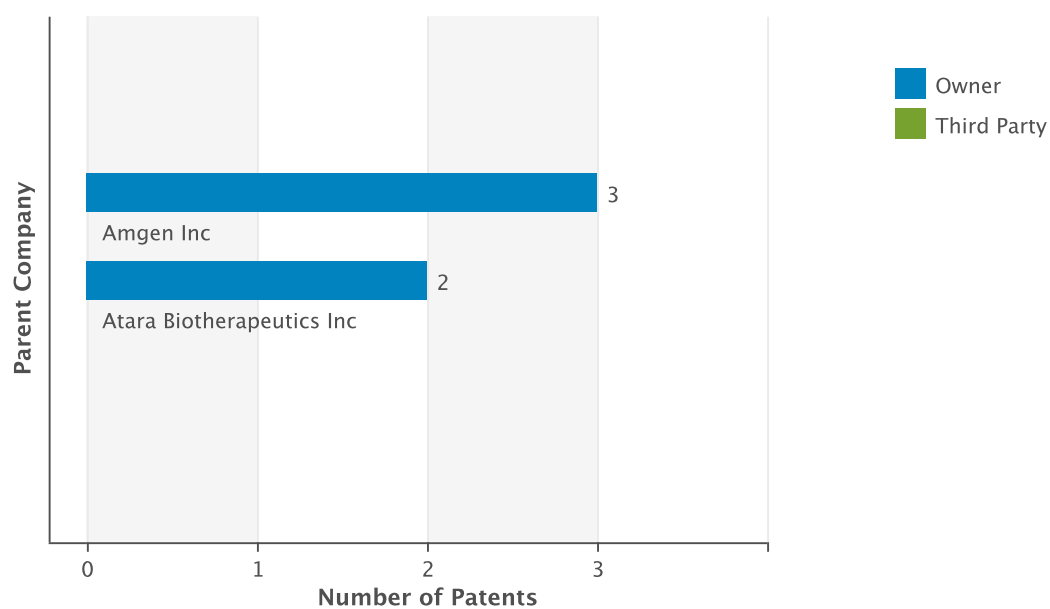
Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

## ATA-842 DEALS AND PATENTS

### PATENTS

#### Patents by Parent Company Chart

Chart displayed by Owner/Third Party

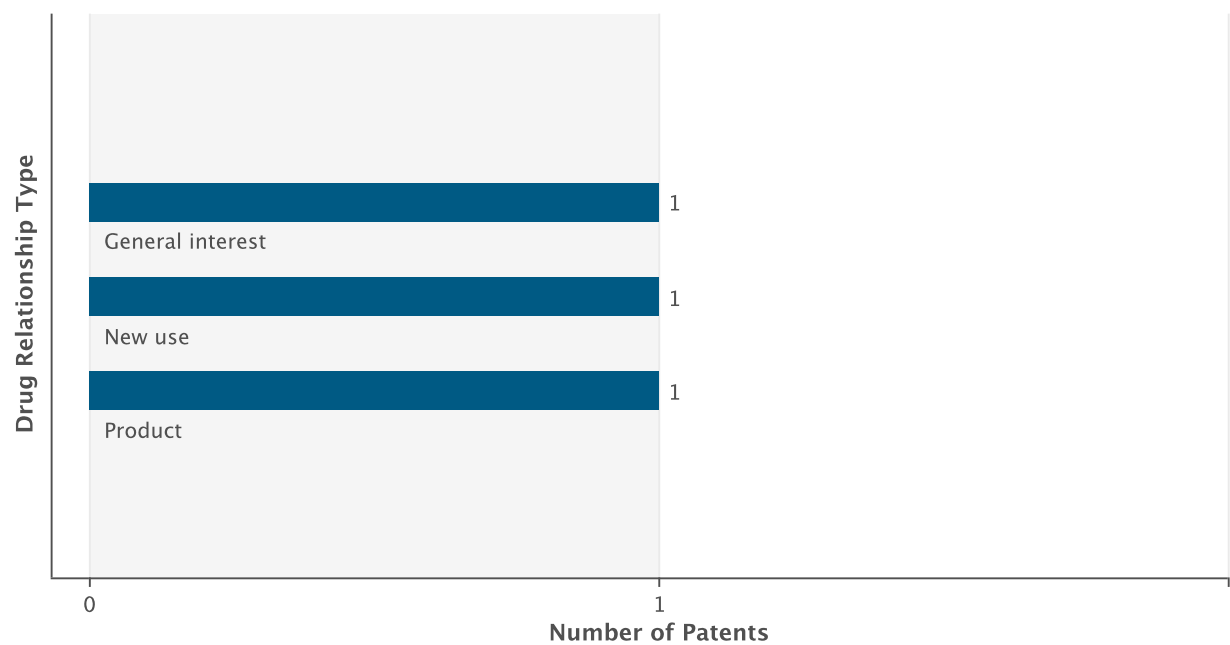


#### Patents by Parent Company Table

Company Name	As Owner	As Third Party	Total
Amgen Inc	3	0	3
Atara Biotherapeutics Inc	2	0	2

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Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

Drug Relationship	Total
New use	1
General interest	1
Product	1

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