

## Akebia Therapeutics Inc

### COMPANY AND PIPELINE OVERVIEW REPORT

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

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[Return to Table of Contents](#)

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[Return to Table of Contents](#)



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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

[Return to Table of Contents](#)



TABLE OF CONTENTS

Company Overview..... 5

Company Profile..... 6

Product Portfolio Summary..... 6

Product Portfolio Drugs..... 10

[Return to Table of Contents](#)

# Akebia Therapeutics Inc

## COMPANY OVERVIEW

Company Name	Akebia Therapeutics Inc
Parent Company Name	Akebia Therapeutics Inc
Website	<a href="http://www.akebia.com/">http://www.akebia.com/</a>
Country	US
Number of Drugs in Active Development	1
Number of Inactive Drugs	3
Number of Patents as Owner	9
Number of Patents as Third Party	0
Number of Deals	2
Key Indications	Anemia,Cancer,Bacterial infection,Diabetes mellitus,Hypertension,Sepsis,Viral infection,Wound healing,Fungal infection,Lung tumor,Peripheral vascular disease,Renal cell carcinoma,Staphylococcus aureus infection
Key Target-based Actions	HIF prolyl hydroxylase-2 inhibitor,HIF prolyl hydroxylase-1 inhibitor,Hypoxia inducible factor-2 alpha modulator,Hypoxia inducible factor-1 alpha modulator,Protein tyrosine phosphatase beta inhibitor,HIF prolyl hydroxylase inhibitor,Hypoxia inducible factor-1 alpha inhibitor,Hypoxia inducible factor-1 beta modulator,VEGF receptor antagonist
Key Technologies	Small molecule therapeutic,Condensational synthesis,Drug combination,Nucleophilic substitutional synthesis,Ophthalmic formulation

## COMPANY PROFILE

### SUMMARY

Akebia Therapeutics Inc is a venture-backed start-up pharmaceutical company specializing in the development of products for ischemia and vascular disease.

### FINANCIAL

In June 2013, Akebia completed a \$41 million series C financing.

In April 2011, the company closed a \$22 million series B preferred stock financing. At that time, the company raised \$14 million from the first closing, with the access to another \$8 million through the end of 2011. In January 2012, the company raised \$4.1 million from the closing of a tranche in series B financing.

In July 2009, Akebia raised \$12 million from the first closing of series A preferred stock financing round, and was to raise \$4 million from the second closing. By that time, the company had raised \$9 million from a prior round of the series A financing. In June 2010, the company raised \$5 million from the closing of its second tranche of series A financing (tranche was increased from \$4 million to \$5 million). A total of \$28 million was raised from all the rounds of series A financing.

[Return to Table of Contents](#)

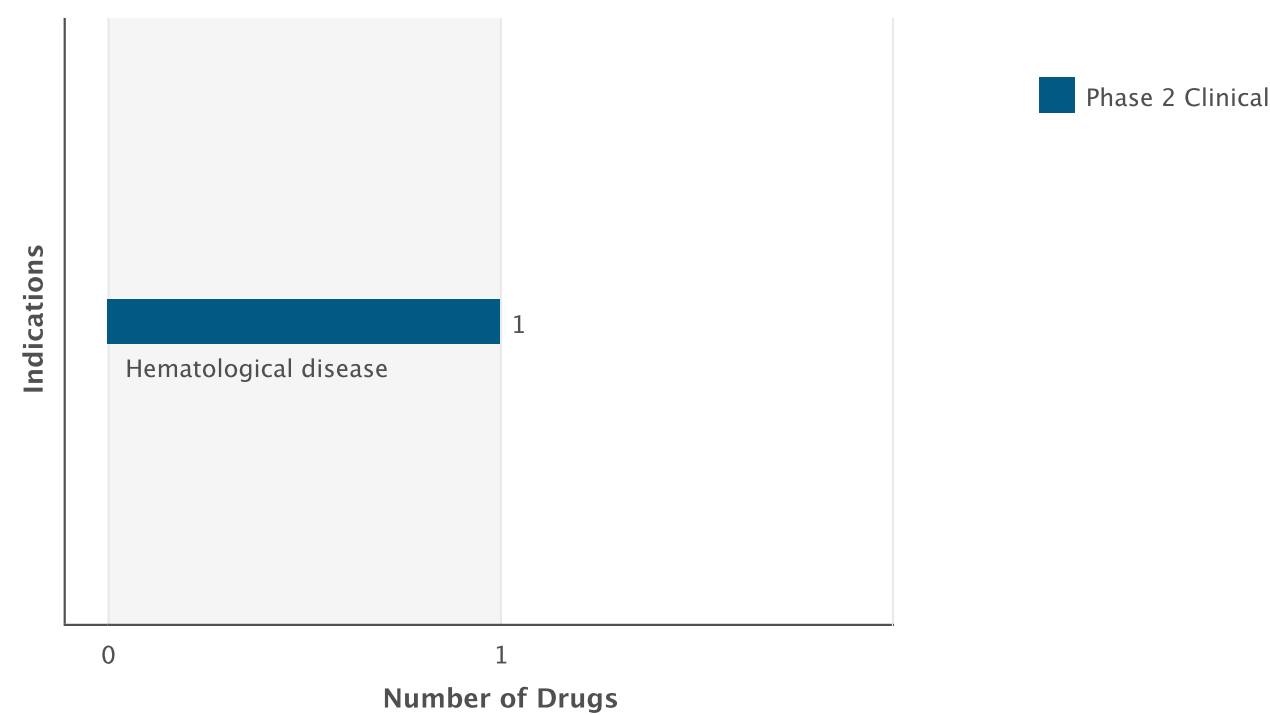


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



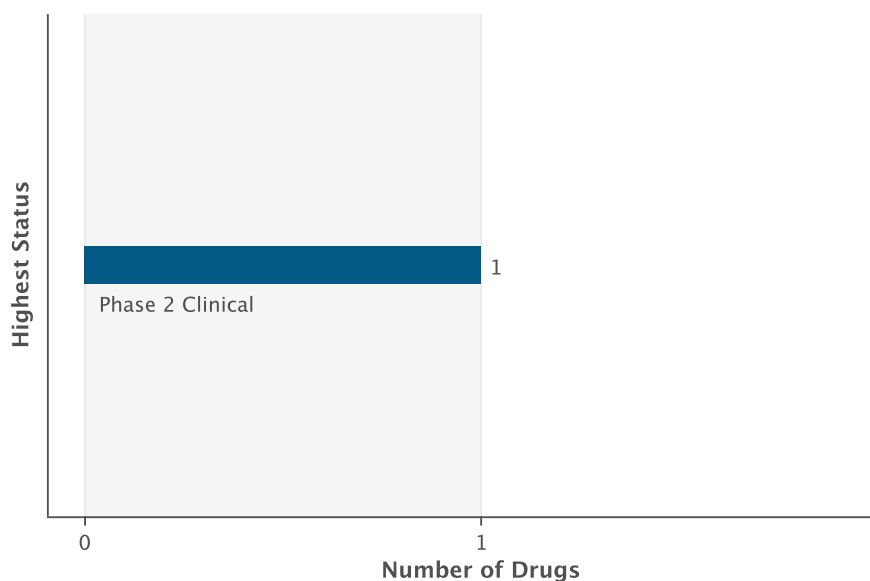
Drugs by Indication Table

Indication	Active	Inactive	Total
Ocular disease	0	2	2
Cardiovascular disease	0	1	1
Hematological disease	1	0	1
Infectious disease	0	1	1

[Return to Table of Contents](#)

## Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	1
No Development Reported	2

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Development/Commercialization License	0	0	2	0	2

## CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Hematological disease	1	5
Genitourinary disease	1	2

Trials by Phase

Phase	Ongoing	All
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[Return to Table of Contents](#)

## Trials by Phase

Phase	Ongoing	All
Phase 2	1	3
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
Cardiovascular disease	5	0	5
Endocrine disease	2	0	2
Gastrointestinal disease	5	0	5
Genitourinary disease	3	0	3
Hematological disease	5	0	5
Immune disorder	5	0	5
Musculoskeletal disease	5	0	5
Neoplasm	6	0	6
Ocular disease	4	0	4
Genetic disorder	1	0	1
Metabolic disorder	4	0	4
Neurological disease	3	0	3
Respiratory disease	2	0	2
Infectious disease	4	0	4
Injury	1	0	1
Inflammatory disease	4	0	4
Gynecology and obstetrics	1	0	1

[Return to Table of Contents](#)





\* This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

## PRODUCT PORTFOLIO DRUGS

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

### AKB-6548

<b>Drug Name</b>	AKB-6548
<b>Key Synonyms</b>	
<b>Originator Company</b>	Procter & Gamble Pharmaceuticals Inc
<b>Active Companies</b>	Akebia Therapeutics Inc
<b>Inactive Companies</b>	Procter & Gamble Pharmaceuticals Inc
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Anemia
<b>Target-based Actions</b>	HIF prolyl hydroxylase inhibitor, Hypoxia inducible factor-2 alpha modulator
<b>Other Actions</b>	Erythropoietin release stimulator, Blood system agent, Hematopoietic stimulant
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	18-Oct-2013

[Return to Table of Contents](#)



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[Return to Table of Contents](#)

