

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	Aldeyra Therapeutics Inc
Parent Company Name	Aldeyra Therapeutics Inc
Website	http://www.aldeyra.com/
Country	US
Number of Drugs in Active Development	2
Number of Inactive Drugs	1
Number of Patents as Owner	6
Number of Patents as Third Party	0
Number of Deals	3
Key Indications	Uveitis, Autosomal recessive disorder, Macular degeneration, Age related macular degeneration, Atherosclerosis, Atopic dermatitis, Cataract, Diabetes mellitus, Metabolic syndrome X, Parkinsons disease, Retinopathy, Rheumatoid arthritis, Sepsis, Stargardt disease, Toxicity
Key Target-based Actions	Unspecified receptor antagonist, CXC9 chemokine ligand inhibitor, IL-12 antagonist, IL-17 antagonist, IL-5 antagonist, Interleukin-1 beta ligand inhibitor, Leukemia inhibitory factor antagonist, Mitochondrial intermediate peptidase inhibitor, Monocyte chemotactic protein 1 ligand inhibitor, TNF
Key Technologies	Small molecule therapeutic, Ophthalmic formulation, Ophthalmic liquid formulation, Dermatological formulation, Emulsion dermatological, Transdermal formulation, Condensational synthesis, Nucleophilic substitutional synthesis, Salt synthesis

COMPANY PROFILE

SUMMARY

Aldeyra Therapeutics Inc (formerly Aldexa Therapeutics Inc; Neuron Systems Inc), a biotechnology company incorporated in 2004, focused primarily on the development of products to treat diseases thought to be related to endogenous free aldehydes, a naturally occurring class of toxic molecules.

FINANCIAL

In January 2015, the company entered into a definitive purchase agreement to raise about \$2 million in a private placement of common stock and a warrant to purchase up to 211,528 shares of common stock each at a price of \$0.125. The exercise price of the three-year warrant was \$9.50 per share. Aldeyra might redeem the warrants at a price of \$0.001 per share upon notice to the holders, when the company's common stock for each of the 15 consecutive trading days prior to such redemption would at least be \$20 per share and the average trading volume of company's common stock during such period would be 50,000 shares per day. At that time, the company also agreed to sell an aggregate of 211,528 shares each at a price of \$9.33. Later that month, the private placement was completed.

In January 2015, the company entered into a definitive purchase agreement to raise approximately \$7.79 million in a private placement of common stock and warrants and also agreed to sell an aggregate of approximately 1.1 million shares of common stock at a price of \$7.00 per share and at an exercise price of \$9.50 to the investors. At that time, the warrants would expire in three years from the date of issue and also the company was required to file a registration statement for the resale of the shares of common stock issued and issuable pursuant to the warrants. The closing of the offering was subjected to the satisfaction of customary closing conditions; later that month, the offering was closed. Aldeyra might redeem the warrants at a price of \$0.001 per share upon notice to the holders, when the company's common stock for each of the fifteen consecutive trading days prior to such redemption would at least be \$20.00 per share and the average trading volume of company's common stock during such period would be 50,000 shares per day.

In June 2014, the company was added to the Russell Microcap Index.

In May 2014, Aldeyra was to raise gross proceeds of \$12 million from an IPO of 1.5 million common stock shares priced at \$8 each. The underwriters were granted a 45-day overallotment option to purchase up to 225,000 additional common

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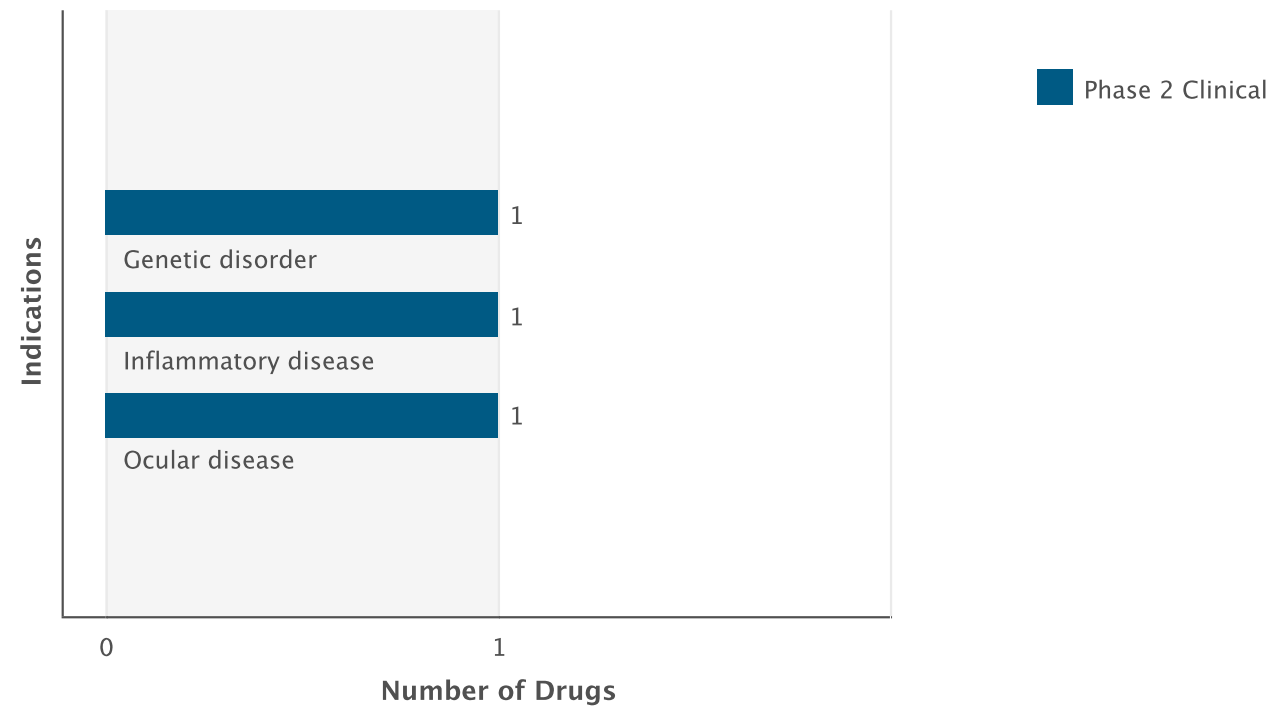
stock shares. At that time, the shares began trading on the NASDAQ Capital Market under the ticker symbol 'ALDX'. The offering closed later that month and the company raised net proceeds of \$11 million.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



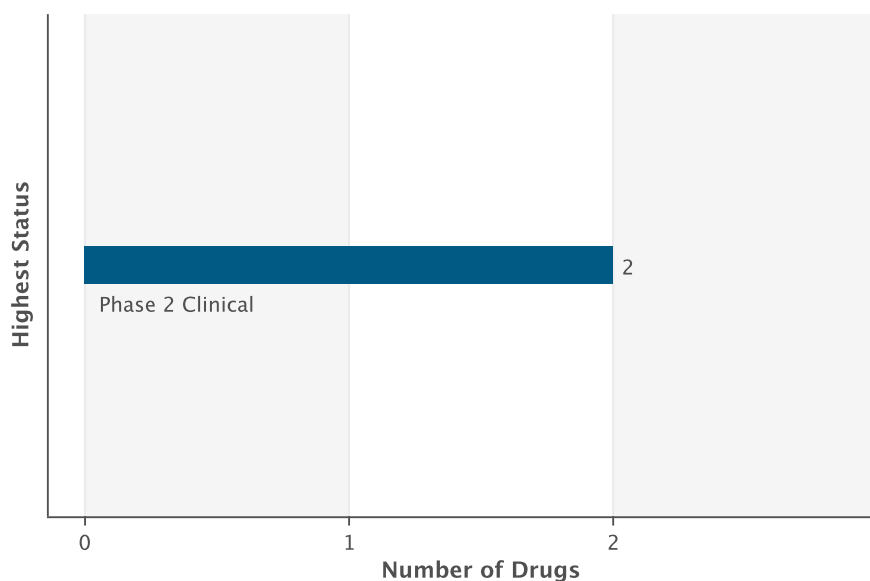
Drugs by Indication Table

Indication	Active	Inactive	Total
Ocular disease	1	1	2
Genetic disorder	1	0	1
Inflammatory disease	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	2
No Development Reported	1

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Early Research/Development	0	0	1	0	1
Drug - Development Services	0	0	1	0	1
Technology - Delivery/Formulation	0	0	1	0	1

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Dermatological disease	1	1
Ocular disease	1	1
Inflammatory disease	1	1

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Trials by Phase

Phase	Ongoing	All
Phase 2	2	2

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
Immune disorder	1	0	1
Musculoskeletal disease	1	0	1
Ocular disease	6	0	6
Metabolic disorder	1	0	1
Neurological disease	1	0	1
Infectious disease	1	0	1
Toxicity and intoxication	1	0	1
Inflammatory disease	1	0	1
Dermatological 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

NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics

NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics SNAPSHOT

Drug Name	NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics
Key Synonyms	
Originator Company	Aldeyra Therapeutics Inc
Active Companies	Aldeyra Therapeutics Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Autosomal recessive disorder
Target-based Actions	
Other Actions	Anti-inflammatory;Unspecified drug target
Technologies	Transdermal formulation;Dermatological formulation;Emulsion dermatological;Small molecule therapeutic
Last Change Date	03-Apr-2015

NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics DEVELOPMENT PROFILE

SUMMARY

Aldeyra Therapeutics is developing NS-2, which binds and traps free aldehydes, as a topical cream formulation for the potential treatment of Sjogren-Larsson Syndrome,. In March 2015, the first patient was enrolled and the preliminary data were expected by the end of 2015 ; Also, final data from the trial were expected in the second half of 2015.

NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Aldeyra Therapeutics Inc	Autosomal recessive disorder	US	Phase 2 Clinical	17-Mar-2015

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NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics DRUG NAMES

Names	Type
NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics	
NS-2	Research Code

NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics 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
Ichthyosis											
0	0	0	0	1	1	0	0	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	1	1	0	0	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

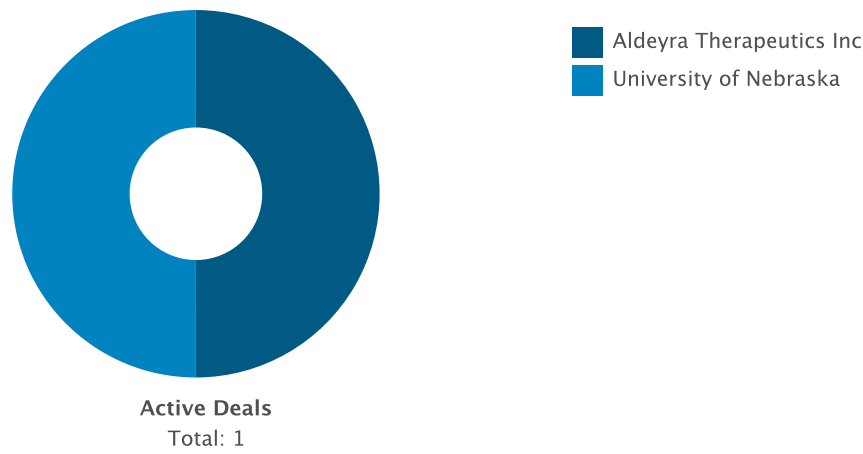
Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

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NS-2 (topical cream formulation, Sjogren-Larsson Syndrome), Aldeyra Therapeutics DEALS AND PATENTS

DEALS

Deals by Parent Company Chart

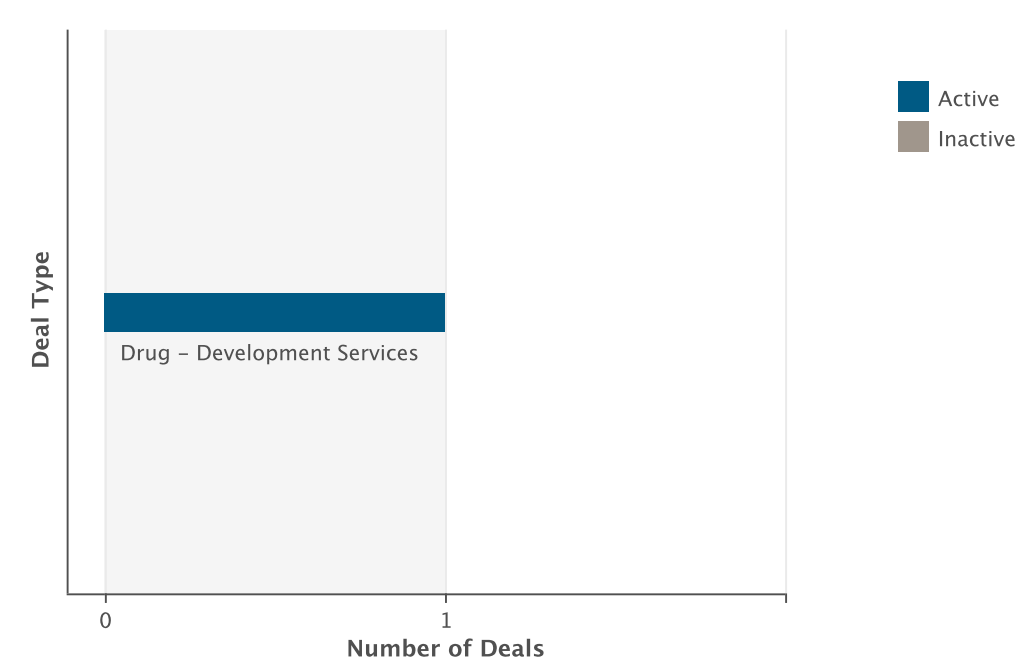


Deals by Parent Company Table

Company Name	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Aldeyra Therapeutics Inc	0	0	1	0	1
University of Nebraska	1	0	0	0	1

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Deals by Type Chart

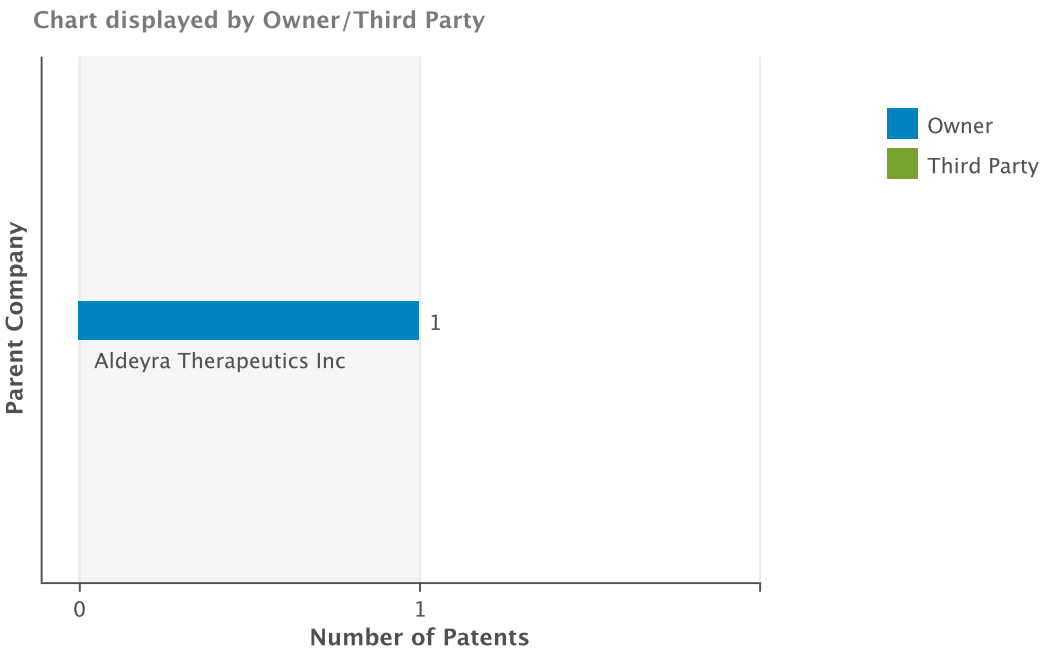


Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - Development Services	1	0	1

PATENTS

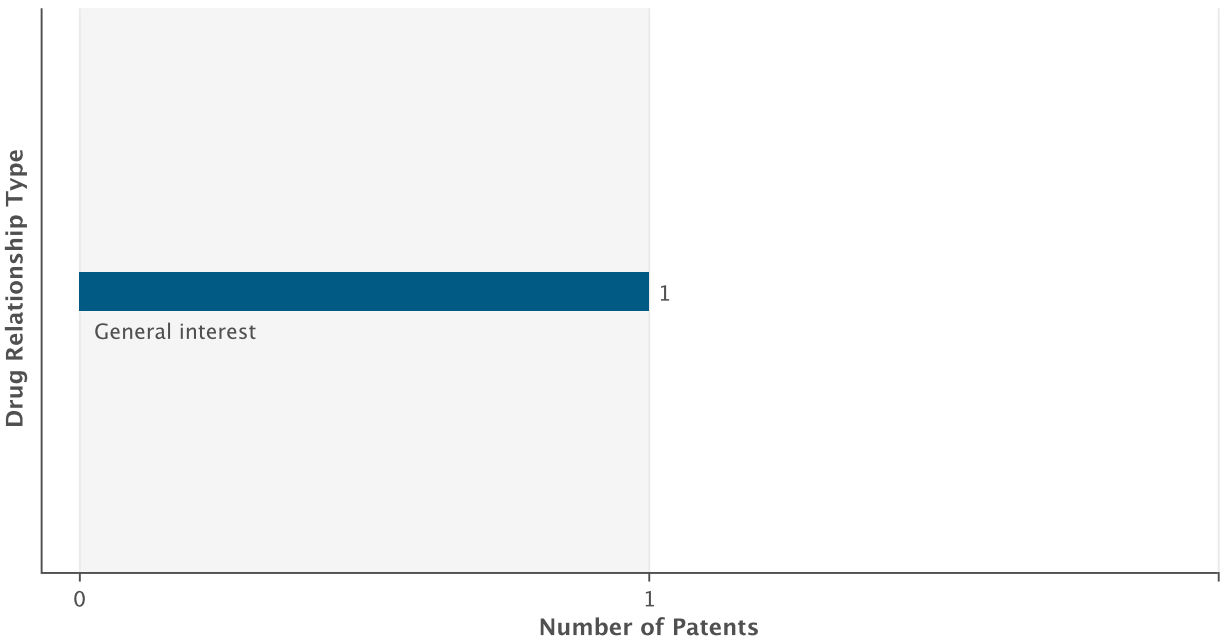
Patents by Parent Company Chart



Patents by Parent Company Table

Company Name	As Owner	As Third Party	Total
Aldeyra Therapeutics Inc	1	0	1

Patents by Drug Relationship Type Chart



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Patents by Drug Relationship Type Table

Drug Relationship	Total
General interest	1

NS-2 (eye drops, uveitis), Aldeyra

NS-2 (eye drops, uveitis), Aldeyra SNAPSHOT

Drug Name	NS-2 (eye drops, uveitis), Aldeyra
Key Synonyms	
Originator Company	Aldeyra Therapeutics Inc
Active Companies	Aldeyra Therapeutics Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Uveitis
Target-based Actions	
Other Actions	Unspecified drug target;Anti-inflammatory
Technologies	Ophthalmic formulation;Ophthalmic liquid formulation;Small molecule therapeutic
Last Change Date	27-Mar-2015

NS-2 (eye drops, uveitis), Aldeyra DEVELOPMENT PROFILE

SUMMARY

Aldeyra Therapeutics is developing NS-2, which binds and traps free aldehydes, as an eye drop formulation, for the potential treatment of acute anterior uveitis. In March 2015, a phase II trial was initiated and at that time, the preliminary data were expected by the end of 2015.

NS-2 (eye drops, uveitis), Aldeyra DEVELOPMENT STATUS

CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Aldeyra Therapeutics Inc	Uveitis	US	Phase 2 Clinical	26-Mar-2015

NS-2 (eye drops, uveitis), Aldeyra DRUG NAMES

Names	Type
NS-2	Research Code
NS-2 (eye drops, uveitis), Aldeyra	

NS-2 (eye drops, uveitis), Aldeyra CLINICAL TRIALS

Trials by Phase and Condition Studied

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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
Uveitis											
0	0	0	0	1	1	0	0	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	1	1	0	0	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)

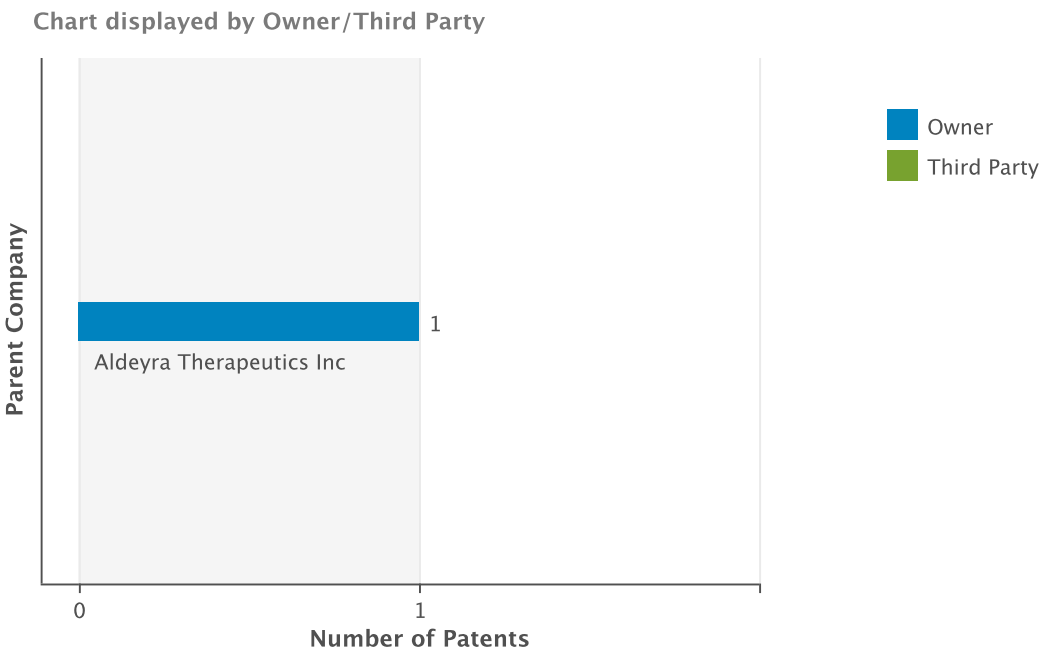
Phase 1 Clinical

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

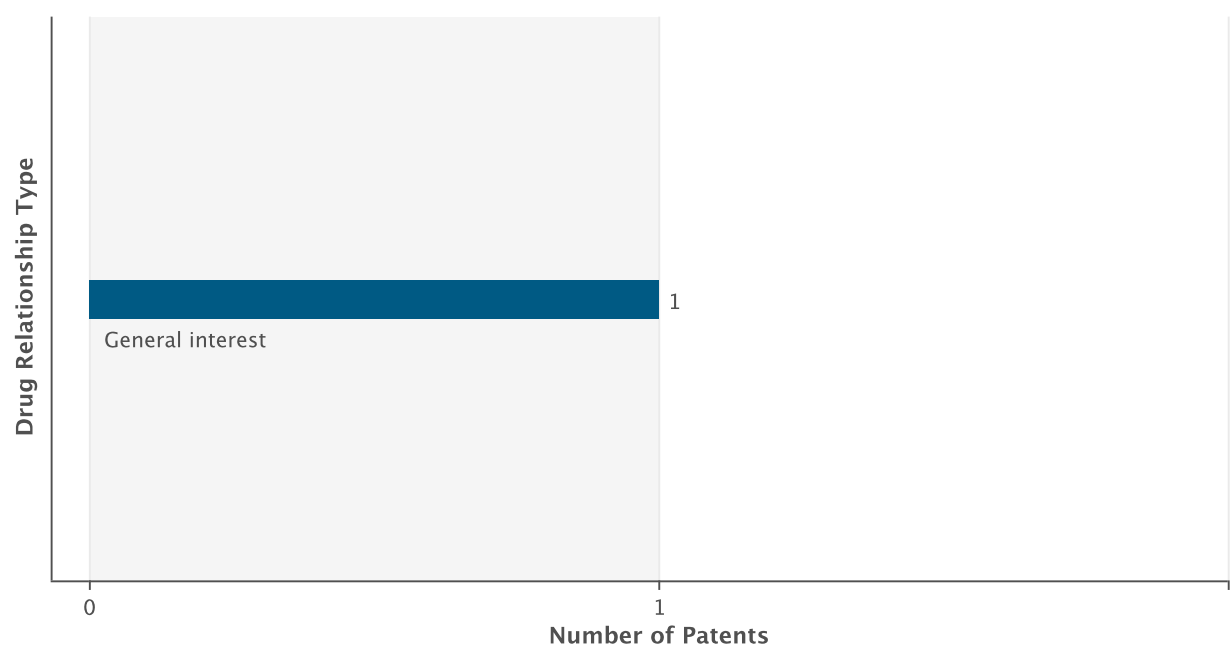


Patents by Parent Company Table

Company Name	As Owner	As Third Party	Total
Aldeyra Therapeutics Inc	1	0	1

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Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

Drug Relationship	Total
General interest	1

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