

# **Alder Biopharmaceuticals Inc**

# **CORTELLIS COMPANY DETAILED PIPELINE REPORT**

A comprehensive coverage of the the company's drug pipeline portfolio including detailed product records.

Publication Date: 19-Jan-2015

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# ABOUT CORTELLIS COMPANY DETAILED PIPELINE REPORT

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

### **COMPANY OVERVIEW**

Company Name	Alder Biopharmaceuticals Inc
Parent Company Name	Alder Biopharmaceuticals Inc
Website	http://www.alderbio.com/
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	6
Number of Patents as Owner	19
Number of Patents as Third Party	0
Number of Deals	3
Key Indications	Rheumatoid arthritis, Anemia, Cachexia, Fatigue, Graft versus host disease, Migraine, Pain, Psoriatic arthritis, Crohns disease, Oral mucositis
Key Target-based Actions	Hepatocyte growth factor antagonist,NGF receptor antagonist,CGRP receptor antagonist,IL-6 antagonist,Proprotein convertase PC9 inhibitor,Interleukin-6 ligand inhibitor,Albumin agonist,C-reactive protein inhibitor,Albumin modulator,C-reactive protein modulator,CD126 antagonist,CGRP receptor agonist,Cytokine receptor agonist,Hepatocyte growth factor agonist,Interferon antagonist,Jak1 tyrosine kinase inhibitor,Jak2 tyrosine kinase inhibitor,Jak3 tyrosine kinase inhibitor,LDL receptor agonist,MAP kinase inhibitor,NGF receptor agonist,Proprotein convertase PC9 stimulator,STAT-3 inhibitor,Syk tyrosine kinase inhibitor,TNF alpha ligand,Triosephosphate dehydrogenase modulator,p38 MAP kinase inhibitor
Key Technologies	Biological therapeutic, Monoclonal antibody humanized, Parenteral formulation unspecified, Monoclonal antibody, Intravenous formulation, Protein recombinant, Subcutaneous formulation, Infusion, Antibody fragment, Antibody

### **COMPANY PROFILE**

#### **SUMMARY**

Alder Biopharmaceuticals Inc, founded in January 2004, is focused on the identification, development and manufacture of antibody therapeutics for cancer, inflammatory, autoimmune and cardivascular diseases.

#### LICENSING AGREEMENTS

In December 2005, Alder agreed to identify and manufacture Schering-Plough's antibody therapeutics. Using its yeast production system and high throughput antibody selection technology, Alder would work on up to ten Schering-Plough antibodies. Alder would receive milestone payments, research support and royalties. In June 2009, the agreement was expanded to include candidates with potential applications to central nervous system disorders. Alder would receive an upfront payment, milestones, royalties and committed funding for Alder personnel engaged in the project.

In November 2005, Alder agreed to use its yeast production system to produce research materials for one of Seattle Genetics' preclinical therapeutic antibodies.

### **FINANCIAL**

In January 2015, a public offering of 4 million shares of company's common stock was initiated; underwriters were to be be granted a 30-day option to purchase up to 600,000 additional shares at the public offering price. Later that month, the company priced the underwritten public offering of 6 million shares at \$29.50 each and also granted the underwriters a 30-day option to purchase up to 0.9 million additional shares. At that time, the offering was expected to close on January 13, 2015.

In December 2014, the company was added to the NASDAQ Biotechnology Index (NBI) which would become effective upon market open on December 22, 2014.



In June 2014, the company was added to the Russell 3000 Index.

In May 2014, the company announced the pricing of its initial public offering of 8 million shares of its common stock at a price of \$10 per share. The shares had begun trading on the NASDAQ Global Market under the ticker symbol "ALDR". Alder had granted the underwriters a 30-day option to buy up to 1.2 million additional shares of common stock at the initial public offering price to cover over-allotments, if any. The offering was expected to close on May 13, 2014. Later that month, the offering was closed and the company raised net proceeds of \$80.1 million from the sale of an aggregate of 8,875,396 shares of its common stock, including 875,396 shares pursuant to the partial exercise of the underwriters' over-allotment option.

In April 2012, the company closed a \$38 million series D financing.

In January 2007, Alder raised \$40 million from a series C financing round.

In July 2006, Alder raised \$16 million in a series B financing round.

In August 2005, Alder raised \$11.1 million in a series A financing.

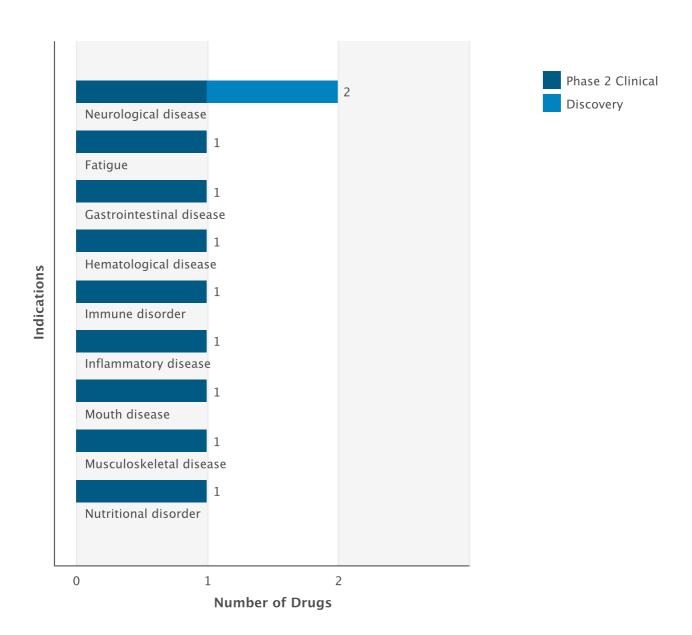


# PRODUCT PORTFOLIO SUMMARY

### **DRUGS**

# Drugs by Indication

Active Drugs by Indication Chart



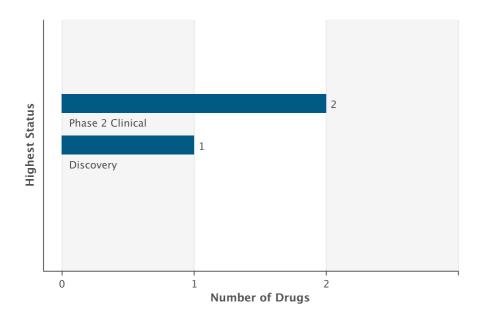


# Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	2	1	3
Neoplasm	0	2	2
Hematological disease	1	1	2
Inflammatory disease	1	1	2
Immune disorder	1	0	1
Musculoskeletal disease	1	0	1
Gastrointestinal disease	1	0	1
Nutritional disorder	1	0	1
Fatigue	1	0	1
Metabolic disorder	0	1	1
Cardiovascular disease	0	1	1
Mouth disease	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
No Development Reported	6

### **DEALS**

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	1	0	0	0	1
Drug - Screening/Evaluation	1	0	0	0	1
Drug - Development/Commercialization License	1	0	0	0	1

# **CLINICAL TRIALS**

# Trials by Condition Studied

Condition Studied	Ongoing	All
Neurological disease	1	4
Nutritional disorder	0	4
Fatigue	0	3
Immune disorder	0	3
Musculoskeletal disease	0	2
Inflammatory disease	0	2
Neoplasm	0	2
Hematological disease	0	1
Respiratory disease	0	1
Mouth disease	0	1

# Trials by Phase

Phase	Ongoing	All
Phase 2	1	5
Phase 1	0	6

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

#### **PATENTS** \*

- ATENIO			
Indication	As Owner	As Third Party	Total
Cardiovascular disease	5	0	5
Endocrine disease	5	0	5
Gastrointestinal disease	8	0	8
Genitourinary disease	3	0	3
Growth disorder	1	0	1
Hematological disease	3	0	3
Degeneration	3	0	3
Immune disorder	6	0	6
Psychiatric disorder	1	0	1
Musculoskeletal disease	6	0	6
Neoplasm	10	0	10
Ocular disease	2	0	2
Metabolic disorder	4	0	4
Neurological disease	6	0	6
Nutritional disorder	6	0	6
Respiratory disease	3	0	3
Infectious disease	4	0	4
Injury	2	0	2
Inflammatory disease	7	0	7
Fatigue	4	0	4
Temperature disorder	2	0	2



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<sup>\*</sup> 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 DRUG PIPELINE DETAIL

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

### clazakizumab

#### clazakizumab SNAPSHOT

Drug Name	clazakizumab
Key Synonyms	clazakizumab
Originator Company	Alder Biopharmaceuticals Inc
Active Companies	Alder Biopharmaceuticals Inc
Inactive Companies	Bristol-Myers Squibb Co
Highest Status	Phase 2 Clinical
Active Indications	Anemia;Oral mucositis;Graft versus host disease;Cachexia;Fatigue;Crohns disease;Psoriatic arthritis;Rheumatoid arthritis
Target-based Actions	IL-6 antagonist
Other Actions	Anti-inflammatory
Technologies	Biological therapeutic; Subcutaneous formulation; Intravenous formulation; Infusion; Protein recombinant; Monoclonal antibody humanized
Last Change Date	15-Dec-2014

#### clazakizumab DEVELOPMENT PROFILE

#### **SUMMARY**

Alder Biopharmaceuticals is developing clazakizumab (ALD-518; BMS-945429), a neutralizing humanized monoclonal antibody against IL-6 produced in the company's Mab X-press yeast culture system, for the potential iv or sc treatment of cancer-related anemia, fatigue, cachexia, oral mucositis and graft versus host disease (GVHD). In November 2014, the company was seeking to outlicense the drug.

In September 2008, Alder initiated a phase II trial in cancer-related anemia, fatigue and cachexia; in June 2010, positive results from the phase II study were presented,; in July 2011, the drug was still listed as being in phase II development for these indications by Alder. In July 2011, a phase II oral mucositis trial was initiated. In March 2012, Alder initiated a phase I/II trial in GVHD patients. In June 2011, former licensee Bristol-Myers Squibb (BMS) initiated a phase IIb RA trial. In January 2012, BMS initiated a phase II psoriatic arthritis trial. In August 2012, a phase II Crohn's disease trial was initiated; however, by June 2013, the trial had been terminated. In February 2014, the drug was listed as being in phase II development on BMS pipeline. However, in September 2014, BMS terminated its collaboration with Alder. At that time, Alder would continue development of drug for autoimmune/inflammatory diseases.

### clazakizumab DEVELOPMENT STATUS

#### **CURRENT DEVELOPMENT STATUS**



Alder Biopharmaceuticals Inc Alder Cachexia Australia Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Cachexia Canada Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Eastern Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Eastern Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Georgia Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia India Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia India Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia New Zealand Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Russian Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Russian Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Cachexia Russian Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Fatigue Australia Phase 2 Clinical 22-Jan-Biopharmaceuticals Inc Alder Fatigue Australia Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Fatigue Canada Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Fatigue Australia Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc Alder Fatigue Canada Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc
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Alder Fatigue Australia Phase 2 Clinical 22-Jan-2 Biopharmaceuticals Inc Alder Fatigue Canada Phase 2 Clinical 30-Sep-
Alder Fatigue Canada Phase 2 Clinical 30-Sep-
Inc
Alder Fatigue Eastern Phase 2 Clinical 30-Sep-Biopharmaceuticals Europe
Alder Fatigue Georgia Phase 2 Clinical 30-Sep- Biopharmaceuticals Inc
Alder Fatigue India Phase 2 Clinical 30-Sep-Biopharmaceuticals Inc
Alder Fatigue New Zealand Phase 2 Clinical 30-Sep- Biopharmaceuticals Inc
Alder Fatigue Russian Phase 2 Clinical 30-Sep-Biopharmaceuticals Federation
Alder Graft versus host disease US Phase 2 Clinical 29-Mar- Biopharmaceuticals Inc
Alder Oral mucositis US Phase 2 Clinical 25-Jul-2 Biopharmaceuticals Inc
Alder Psoriatic arthritis Argentina Phase 2 Clinical 02-Sep-Biopharmaceuticals Inc
Alder Psoriatic arthritis Australia Phase 2 Clinical 02-Sep-Biopharmaceuticals Inc
Alder Psoriatic arthritis Canada Phase 2 Clinical 02-Sep-Biopharmaceuticals Inc
Alder Psoriatic arthritis EU Phase 2 Clinical 02-Sep-Biopharmaceuticals Inc



Company	Indication	Country	<b>Development Status</b>	Date
Alder Biopharmaceuticals Inc	Psoriatic arthritis	South Africa	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Psoriatic arthritis	US	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Canada	Phase 2 Clinical	31-Oct-2008
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Europe	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Far East	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Georgia	Phase 2 Clinical	31-Oct-2008
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	India	Phase 2 Clinical	31-Oct-2008
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Italy	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Japan	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Russian Federation	Phase 2 Clinical	31-Oct-2008
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	Serbia	Phase 2 Clinical	31-Oct-2008
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	South Africa	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	South America	Phase 2 Clinical	02-Sep-2014
Alder Biopharmaceuticals Inc	Rheumatoid arthritis	US	Phase 2 Clinical	31-Oct-2008
Bristol-Myers Squibb Co	Crohns disease	US	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	Argentina	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	Australia	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	Canada	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	EU	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	South Africa	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Psoriatic arthritis	US	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	Canada	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	Europe	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	Far East	Discontinued	02-Sep-2014



Company	Indication	Country	<b>Development Status</b>	Date
Bristol-Myers Squibb Co	Rheumatoid arthritis	Italy	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	Japan	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	South Africa	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	South America	Discontinued	02-Sep-2014
Bristol-Myers Squibb Co	Rheumatoid arthritis	US	Discontinued	02-Sep-2014

#### clazakizumab DRUG NAMES

Names	Туре
anti-IL6 monoclonal antibody (rheumatoid arthritis/cancer), Alder Biopharmaceuticals/BMS	
clazakizumab	PINN, USAN
BMS-945429	Research Code
anti-IL6 mAb (rheumatoid arthritis/cancer), Alder/Bristol-Myers Squibb	
ALD-518	Research Code

#### clazakizumab SALES AND FORECASTS

#### **COMMENTARY**

#### **CONSENSUS SALES INFORMATION**

No Consensus forecast data for Alder Biopharmaceuticals are currently available.

### **REGIONAL DEVELOPMENT AND MARKETING RIGHTS**

In November 2009, Bristol-Myers Squibb (BMS) entered into a worldwide, exclusive development and commercialization agreement for Alder Biopharmaceuticals' clazakizumab in all indications, including rheumatoid arthritis and other autoimmune diseases, but excluding oncology-associated conditions; at the time, this transaction was still pending approval [1056039]. By June 2011, the agreement had closed [1201269]. In September 2014, Alder BioPharmaceuticals regained worldwide rights to clazakizumab after BMS decided to end further development of the drug and terminated the agreement with Alder [1590051].

### clazakizumab CLINICAL TRIALS

### Trials by Phase and Condition Studied

	se 4 nical		se 3 nical		se 2 nical		se 1 nical		ase ecified	То	tal
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Rheumatoid arthritis											
0	0	0	0	2	3	0	1	0	0	2	4



Cachexia	I										
0	0	0	0	0	1	0	2	0	0	0	3
Fatigue											
0	0	0	0	0	1	0	1	0	0	0	2
Psoriatic	arthritis										
0	0	0	0	1	1	0	0	0	0	1	1
Oral muc	ositis										
0	0	0	0	0	1	0	0	0	0	0	1
Metastati	c non sma	all cell lung	cancer								
0	0	0	0	0	1	0	0	0	0	0	1
Cancer											
0	0	0	0	0	0	0	1	0	0	0	1
Graft vers	sus host d	isease									
0	0	0	0	0	0	0	1	0	0	0	1
Crohns d	isease										
0	0	0	0	0	1	0	0	0	0	0	1
Anemia	Anemia										
0	0	0	0	0	0	0	1	0	0	0	1

# Total Trials by Phase and Status

	se 4 nical		se 3 nical		se 2 nical		se 1 nical		ase ecified	То	tal
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	3	7	0	3	0	0	3	10

### **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

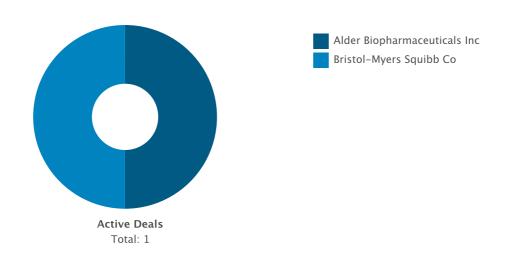
Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0



# clazakizumab DEALS AND PATENTS

DEALS

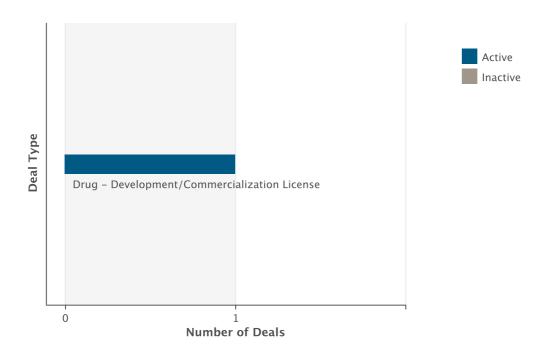
Deals by Parent Company Chart



# **Deals by Parent Company Table**

Company Name	Principal Active Inactive		Partner Active Inactive		Total
Alder Biopharmaceuticals Inc	1	0	0	0	1
Bristol-Myers Squibb Co	0	0	1	0	1

# **Deals by Type Chart**



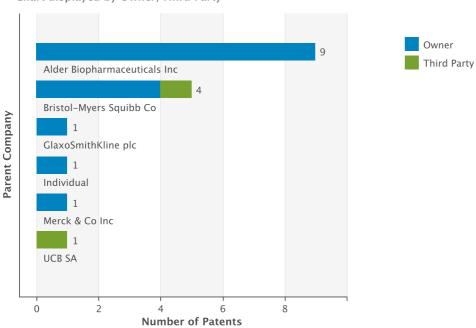
# **Deals by Type Table**

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

### **PATENTS**

# **Patents by Parent Company Chart**

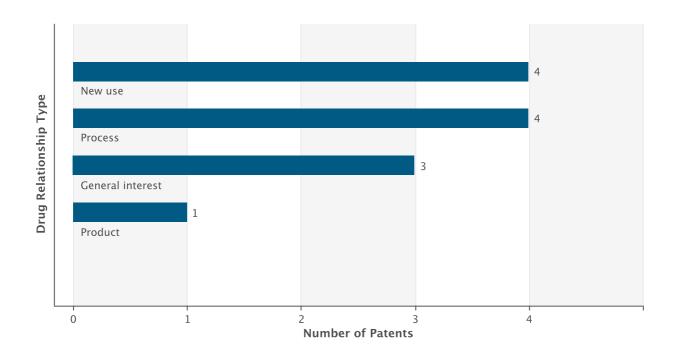
Chart displayed by Owner/Third Party



# **Patents by Parent Company Table**

Company Name	As Owner	As Third Party	Total
Alder Biopharmaceuticals Inc	9	0	9
Bristol-Myers Squibb Co	4	1	4
Individual	1	0	1
UCB SA	0	1	1
Merck & Co Inc	1	0	1
GlaxoSmithKline plc	1	0	1

# **Patents by Drug Relationship Type Chart**



# **Patents by Drug Relationship Type Table**

Drug Relationship	Total
Process	4
New use	4
General interest	3
Product	1



### **ALD-403**

#### **ALD-403 SNAPSHOT**

Drug Name	ALD-403
Key Synonyms	
Originator Company	Alder Biopharmaceuticals Inc
Active Companies	Alder Biopharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Migraine
Target-based Actions	CGRP receptor antagonist
Other Actions	
Technologies	Biological therapeutic;Subcutaneous formulation;Intravenous formulation;Infusion;Protein recombinant;Monoclonal antibody humanized
Last Change Date	12-Dec-2014

#### **ALD-403 DEVELOPMENT PROFILE**

#### **SUMMARY**

Alder Biopharmaceuticals is developing ALD-403, a genetically engineered, humanized mAb that inhibits calcitonin gene-related peptide (CGRP), as a once-monthly sc and quarterly iv infusion, for the potential prevention of both episodic and chronic migraine . In October 2014, a phase IIb trial of the iv formulation in chronic migraine was initiated; primary endpoint data were expected in the second half of 2015. At that time, a phase IIb trial of the sc formulation for frequent episodic migraine was expected to begin in the first half of 2015 and a phase III trial of the iv formulation, which might combine both episodic and chronic migraine, was expected to be initiated in the second half of 2016.

#### **ALD-403 DEVELOPMENT STATUS**

### **CURRENT DEVELOPMENT STATUS**

Company	Indication	Country	<b>Development Status</b>	Date
Alder Biopharmaceuticals Inc	Migraine	US	Phase 2 Clinical	20-Oct-2014
Alder Biopharmaceuticals Inc	Migraine	Australia	Phase 1 Clinical	25-Apr-2012



#### **ALD-403 DRUG NAMES**

Names	Туре
mAb (migraine), Alder	
CGRP inhibitor (humanized mAb, migraine), Alder	
ALD-403	Research Code
calcitonin gene-related peptide inhibitor (humanized mAb, migraine), Alder	

### **ALD-403 CLINICAL TRIALS**

# Trials by Phase and Condition Studied

Phase 4 Clinical			ise 3 nical	Phase 2 Phase 1 Clinical Clinical			Phase Unspecified		Total		
On- going	All	On- going	All	On- going	All	On- going	All	On- going	All	On- going	All
Migraine											
0	0	0	0	1	2	0	2	0	0	1	4

# Total Trials by Phase and Status

Phase 4 Clinical			se 3 nical	Phase 2 Phase 1 Clinical 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	2	0	3	0	0	1	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 Clinica

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  $\,$ 

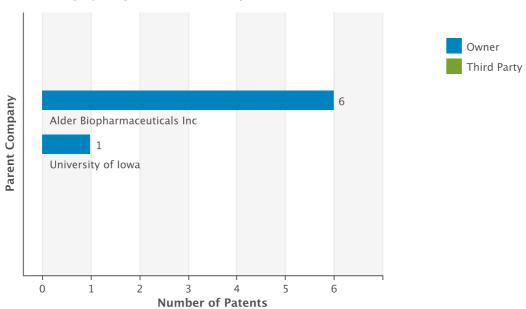
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# **ALD-403 DEALS AND PATENTS**

### **PATENTS**

# **Patents by Parent Company Chart**

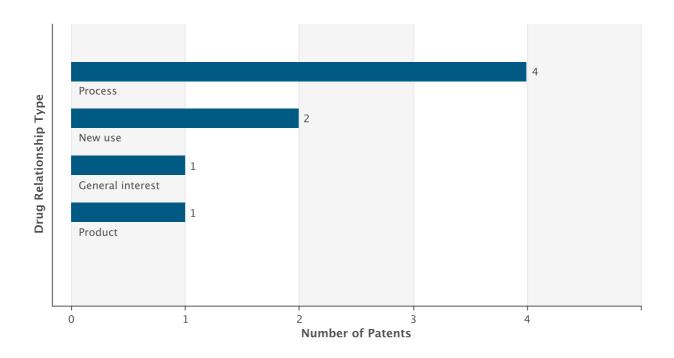
Chart displayed by Owner/Third Party



# **Patents by Parent Company Table**

Company Name	As Owner	As Third Party	Total
Alder Biopharmaceuticals Inc	6	0	6
University of Iowa	1	0	1

# **Patents by Drug Relationship Type Chart**



# **Patents by Drug Relationship Type Table**

Drug Relationship	Total
Process	4
New use	2
Product	1
General interest	1



# **ALD-906**

#### **ALD-906 SNAPSHOT**

Drug Name	ALD-906
Key Synonyms	
Originator Company	Alder Biopharmaceuticals Inc
Active Companies	Alder Biopharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Pain
Target-based Actions	NGF receptor antagonist
Other Actions	Analgesic
Technologies	Biological therapeutic;Parenteral formulation unspecified;Monoclonal antibody
Last Change Date	22-Nov-2012

### **ALD-906 DEVELOPMENT PROFILE**

### **SUMMARY**

Alder Biopharmaceuticals is investigating ALD-906, an anti-nerve growth factor (anti-NGF) mAb, for the potential treatment of pain. In February 2011, the program was listed as being in preclinical development; in November 2012, this was still the case. In February 2011, the company was seeking to outlicense the program to strategic partners; in November 2012, this was still the case.

# **ALD-906 DEVELOPMENT STATUS**

#### **CURRENT DEVELOPMENT STATUS**

Company	Indication	Country	<b>Development Status</b>	Date
Alder Biopharmaceuticals Inc	Pain	US	Discovery	23-Feb-2011

### **ALD-906 DRUG NAMES**

Names	Туре
ALD-906	Research Code
anti-NGF mAb (pain), Alder Biopharmaceuticals	
anti-nerve growth factor monoclonal antibody (pain), Alder Biopharmaceuticals	

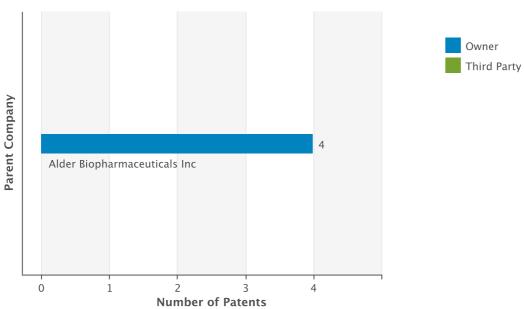


### **ALD-906 DEALS AND PATENTS**

### **PATENTS**

# **Patents by Parent Company Chart**

Chart displayed by Owner/Third Party

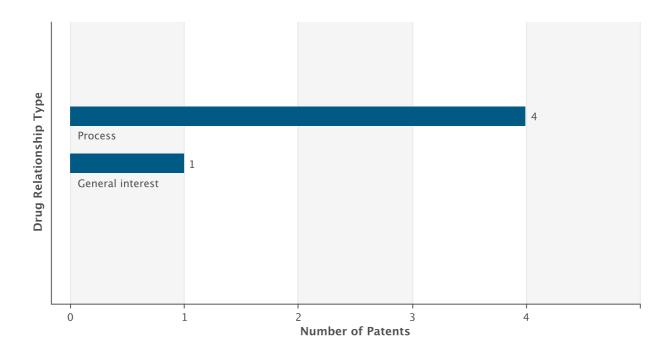


# **Patents by Parent Company Table**

Company Name	As Owner	As Third Party	Total
Alder Biopharmaceuticals Inc	4	0	4

THOMSON REUTERS

# **Patents by Drug Relationship Type Chart**



# **Patents by Drug Relationship Type Table**

Drug Relationship	Total
Process	4
General interest	1

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