

Auspex Pharmaceuticals Inc

COMPANY AND PIPELINE OVERVIEW REPORT

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

Publication Date: 03-Mar-2013

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	Auspex Pharmaceuticals Inc
Parent Company Name	Auspex Pharmaceuticals Inc
Website	http://www.auspexpharma.com/
Country	US
Number of Drugs in Active Development	5
Number of Inactive Drugs	3
Number of Patents as Owner	149
Number of Patents as Third Party	0
Number of Deals	1
Key Indications	Rheumatoid arthritis, Major depressive disorder, Asthma, Schizophrenia, Neuropathic pain, Anxiety disorder, Huntingtons chorea, Cancer, Migraine, Alzheimers disease
Key Target-based Actions	Synaptic vesicular amine transporter inhibitor, JAK tyrosine kinase inhibitor, P2Y12 purinoceptor antagonist, Retinoic acid receptor agonist, Histamine H1 receptor antagonist, Dopamine D2 receptor antagonist, Cytochrome P450 reductase inhibitor, MAO inhibitor, 5-HT 3 receptor antagonist, Dopamine D2 receptor modulator, MAO A inhibitor, NMDA receptor antagonist, Potassium channel inhibitor
Key Technologies	Small molecule therapeutic, Systemic formulation unspecified, Dermatological formulation, Prodrug, Oral formulation, Crystalline form, Electrophilic substitutional synthesis, Labeling system, Salt synthesis

COMPANY PROFILE

SUMMARY

Auspex Pharmaceuticals is a privately held US pharmaceutical company that specializes in optimizing the chemo-physiological properties of existing drugs by converting them into deuterated analogs.

FINANCIAL

In November 2012, Auspex raised \$25 million in a series D venture financing.

In May 2008, Auspex raised \$13.88 million from a series B financing round.

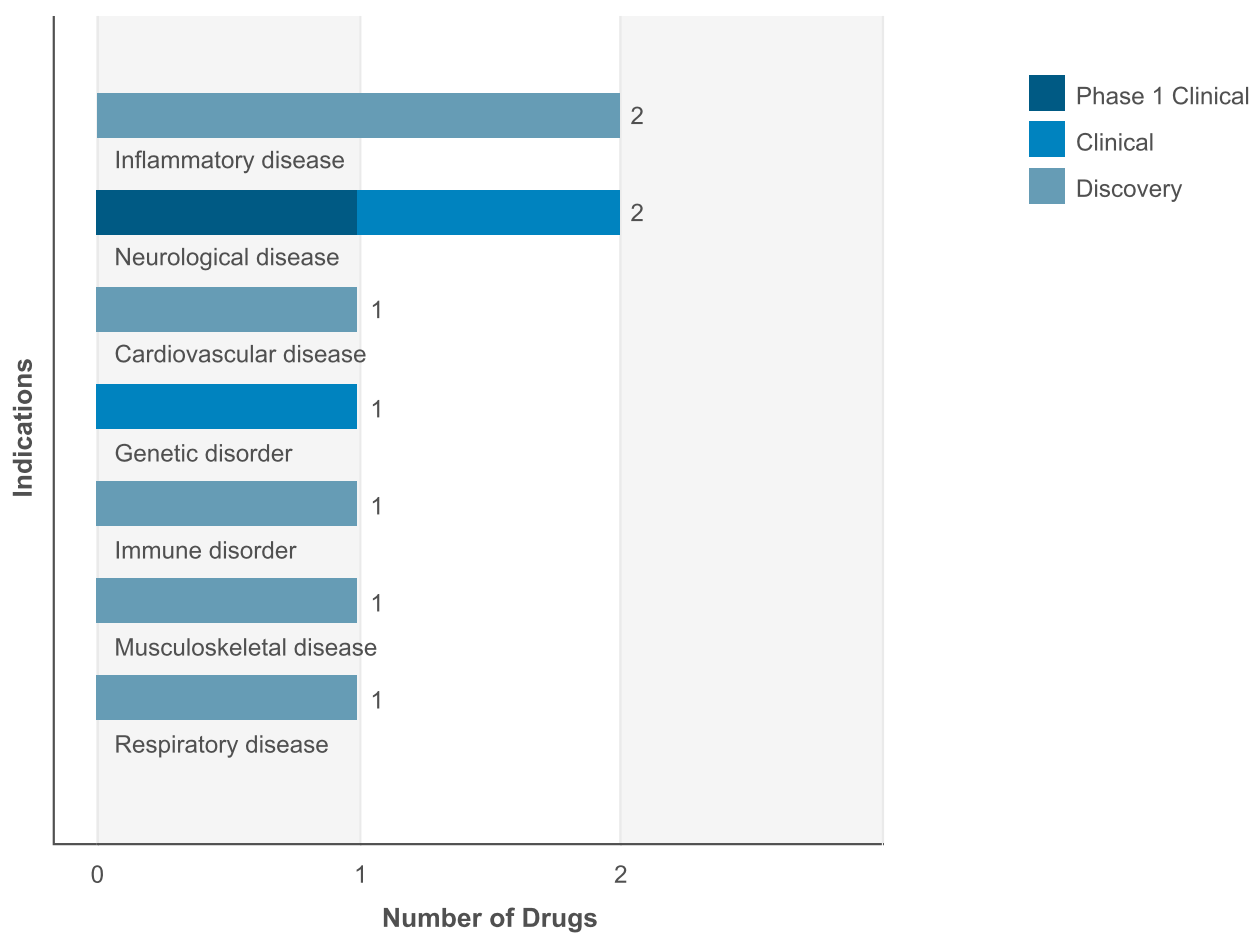
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PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

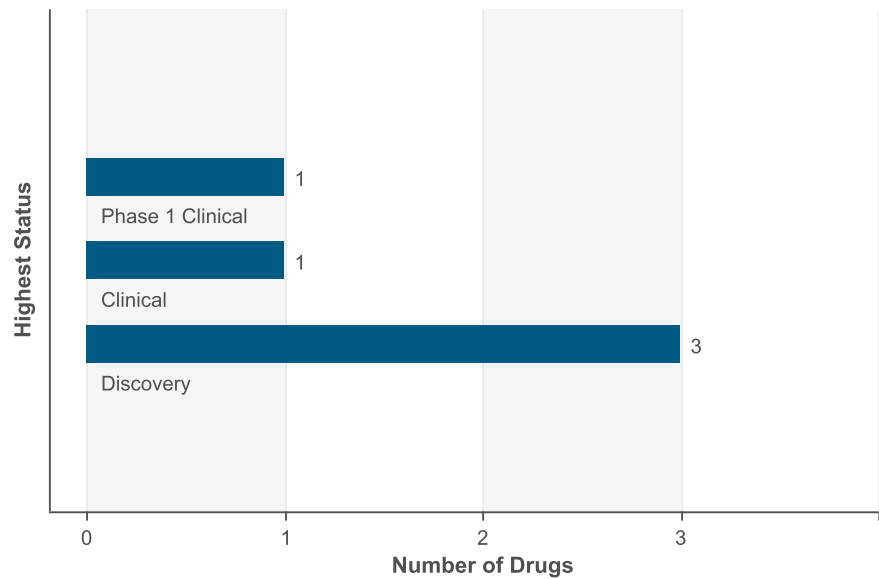
Indication	Active	Inactive	Total
Neurological disease	2	1	3
Inflammatory disease	2	0	2
Cardiovascular disease	1	0	1
Dermatological disease	0	1	1
Respiratory disease	1	0	1
Psychiatric disorder	0	1	1

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Neoplasm	0	1	1
Musculoskeletal disease	1	0	1
Immune disorder	1	0	1
Genetic disorder	1	0	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 1 Clinical	1
Clinical	1
Discovery	3
No Development Reported	3

DEALS

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

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CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Psychiatric disorder	0	1
Genetic disorder	1	1
Neurological disease	1	1

Trials by Phase

Phase	Ongoing	All
Phase 3	1	1
Phase 1	0	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

PATENTS *

Indication	As Owner	As Third Party	Total
Cardiovascular disease	50	0	50
Endocrine disease	39	0	39
Gastrointestinal disease	62	0	62
Genitourinary disease	42	0	42
Growth disorder	9	0	9
Hematological disease	13	0	13
Degeneration	19	0	19
Andrology	18	0	18
Immune disorder	52	0	52
Psychiatric disorder	49	0	49
Musculoskeletal disease	36	0	36

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Neoplasm	34	0	34
Ocular disease	25	0	25
Genetic disorder	22	0	22
Metabolic disorder	37	0	37
Mouth disease	2	0	2
Neurological disease	79	0	79
Nutritional disorder	20	0	20
Prophylaxis	1	0	1
Respiratory disease	46	0	46
Infectious disease	34	0	34
Injury	14	0	14
Toxicity and intoxication	18	0	18
Inflammatory disease	51	0	51
Fatigue	1	0	1
Otorhinolaryngological disease	12	0	12
Gynecology and obstetrics	19	0	19
Temperature disorder	1	0	1
Dermatological disease	29	0	29
Ulcer	4	0	4
Surgical procedure	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

deuterated venlafaxine (neuropathic pain), Auspex

Drug Name	deuterated venlafaxine (neuropathic pain), Auspex
Key Synonyms	Effexor
Originator Company	Auspex Pharmaceuticals Inc
Active Companies	Auspex Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Neuropathic pain
Target-based Actions	
Other Actions	Antidepressant, Analgesic, Norepinephrine uptake inhibitor, 5-HT uptake inhibitor, Radiopharmaceutical
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	03-Jul-2012

deuterated tetrabenazine analog (Huntington's disease/Tourette syndrome/tardive dyskinesia), Auspex

Drug Name	deuterated tetrabenazine analog (Huntington's disease/Tourette syndrome/tardive dyskinesia), Auspex
Key Synonyms	
Originator Company	Auspex Pharmaceuticals Inc
Active Companies	Auspex Pharmaceuticals Inc
Inactive Companies	
Highest Status	Clinical
Active Indications	Tourette syndrome, Huntingtons chorea, Tardive dyskinesia
Target-based Actions	Synaptic vesicular amine transporter inhibitor
Other Actions	Monoamine antagonist, CNS modulator, Monoamine release modulator
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	09-Nov-2012

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deuterated pirfenidone analog (idiopathic pulmonary fibrosis), Auspex

Drug Name	deuterated pirfenidone analog (idiopathic pulmonary fibrosis), Auspex
Key Synonyms	
Originator Company	Auspex Pharmaceuticals Inc
Active Companies	Auspex Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Idiopathic pulmonary fibrosis
Target-based Actions	
Other Actions	Unspecified drug target, Fibrosuppressant
Technologies	Small molecule therapeutic
Last Change Date	03-Jul-2012

deuterated ticagrelor analog (acute coronary syndrome), Auspex

Drug Name	deuterated ticagrelor analog (acute coronary syndrome), Auspex
Key Synonyms	
Originator Company	Auspex Pharmaceuticals Inc
Active Companies	Auspex Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Acute coronary syndrome
Target-based Actions	P2Y12 purinoceptor antagonist
Other Actions	Platelet aggregation inhibitor
Technologies	Small molecule therapeutic
Last Change Date	03-Jul-2012

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deuterated tofacitinib analog (rheumatoid arthritis), Auspex

Drug Name	deuterated tofacitinib analog (rheumatoid arthritis), Auspex
Key Synonyms	
Originator Company	Auspex Pharmaceuticals Inc
Active Companies	Auspex Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Rheumatoid arthritis
Target-based Actions	JAK tyrosine kinase inhibitor
Other Actions	Anti-inflammatory
Technologies	Small molecule therapeutic
Last Change Date	03-Jul-2012

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