

## **Tokai Pharmaceuticals Inc**

### **COMPANY AND PIPELINE OVERVIEW REPORT**

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

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	Tokai Pharmaceuticals Inc
Parent Company Name	Tokai Pharmaceuticals Inc
Website	<a href="http://www.tokaipharma.com/">http://www.tokaipharma.com/</a>
Country	US
Number of Drugs in Active Development	1
Number of Inactive Drugs	2
Number of Patents as Owner	10
Number of Patents as Third Party	0
Number of Deals	5
Key Indications	Hormone refractory prostate cancer, Prostate tumor, Breast tumor, Prostate hyperplasia, Cancer, Ovary tumor, Alopecia, Anorexia nervosa, Bone tumor, Hirsutism, Leukemia
Key Target-based Actions	Cytochrome P450 17 inhibitor, Androgen receptor antagonist, Cytochrome P450 17A1 inhibitor, Androgen receptor modulator, GCSF receptor agonist, IL-1 agonist, IL-2 agonist, PDGF receptor agonist, Parathyroid hormone related protein stimulator, Phosphoinositide 3-kinase inhibitor, Thrombopoietin receptor agonist, Topoisomerase II modulator, mTOR inhibitor
Key Technologies	Capsule formulation, Drug combination, Steroid, Oral formulation, Prodrug, Tablet formulation, Antibody, Crystalline form, Drug screening, Formulation solid oral, Microparticle formulation, Peptide

## COMPANY PROFILE

### SUMMARY

Tokai Pharmaceuticals, a privately-held biopharmaceutical company, focused on the development of treatments for prostate cancer.

### FINANCIAL

In May 2013, the company raised \$35.5 million in a series E financing.

In September 2011, Tokai raised \$23 million in a series D3 financing.

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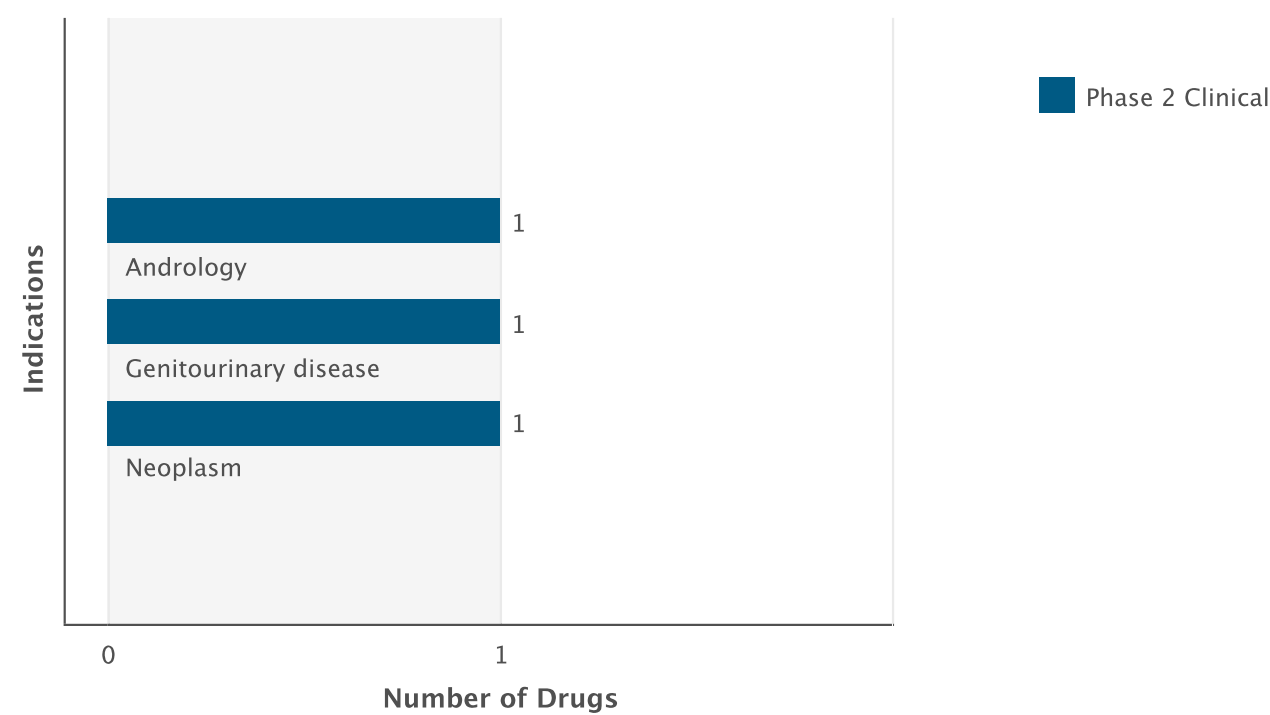


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



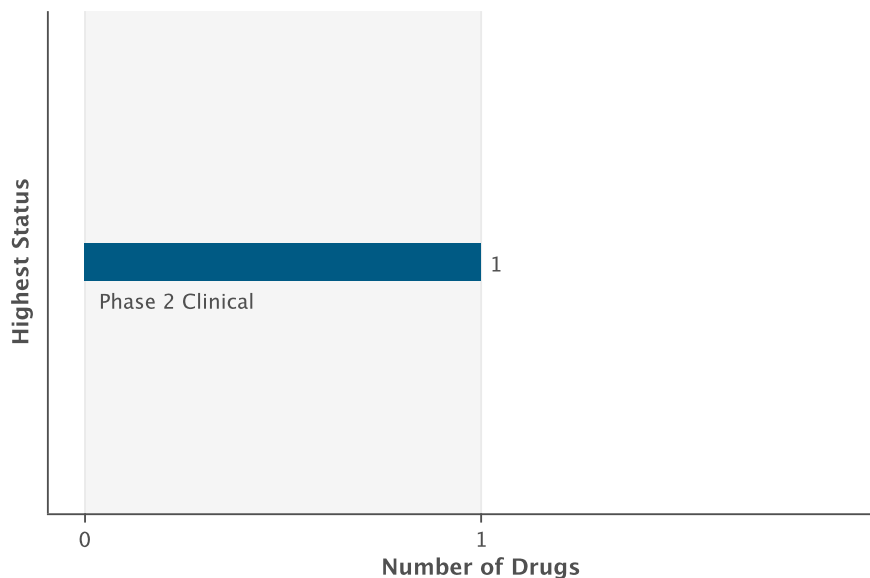
Drugs by Indication Table

Indication	Active	Inactive	Total
Genitourinary disease	1	1	2
Neoplasm	1	1	2
Gynecology and obstetrics	0	1	1
Surgical procedure	0	1	1
Andrology	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
No Development Reported	2

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Early Research/Development	0	0	2	0	2
Drug - Development/Commercialization License	0	0	1	0	1
Technology - Delivery/Formulation	0	0	2	0	2

## CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Genitourinary disease	1	2
Andrology	1	2

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Neoplasm	1	2
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### Trials by Phase

Phase	Ongoing	All
Phase 2	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
Endocrine disease	7	0	7
Genitourinary disease	9	0	9
Growth disorder	4	0	4
Hematological disease	2	0	2
Andrology	9	0	9
Immune disorder	1	0	1
Psychiatric disorder	2	0	2
Musculoskeletal disease	2	0	2
Neoplasm	10	0	10
Neurological disease	1	0	1
Respiratory disease	1	0	1
Toxicity and intoxication	1	0	1
Gynecology and obstetrics	7	0	7
Dermatological disease	4	0	4

\* 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

### galeterone

<b>Drug Name</b>	galeterone
<b>Key Synonyms</b>	galeterone
<b>Originator Company</b>	University of Maryland
<b>Active Companies</b>	University of Maryland, Tokai Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Hormone refractory prostate cancer, Prostate tumor
<b>Target-based Actions</b>	Cytochrome P450 17A1 inhibitor, Androgen receptor antagonist
<b>Other Actions</b>	Anticancer
<b>Technologies</b>	Oral formulation, Capsule formulation, Tablet formulation, Small molecule therapeutic, Steroid
<b>Last Change Date</b>	11-Feb-2014

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