

## Karyopharm Therapeutics Inc

### COMPANY AND PIPELINE OVERVIEW REPORT

A comprehensive coverage of the company and a summary of the drug pipeline portfolio.

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## ABOUT COMPANY AND PIPELINE OVERVIEW 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 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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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**PLEASE NOTE:** the financials section where present in the report includes: Share Information, Stock Performance chart (including the consensus recommendation), and Major Shareholders. Financial Performance presents graphical and tabular data on Worldwide Sales, Operating Income and Net Income over time, together with a Quarterly earnings update. Balance Sheet lists Assets, Liabilities and Stockholders Equity, and Forecasts includes: EPS Forecast and Other Forecasts. The data reported in all sections (except share information and major stock holders) are correct as of the publication date of the report (and not the download date). For share information and major stock holders the data is correct for the date shown with these sections

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# Karyopharm Therapeutics Inc

## COMPANY OVERVIEW

<b>Company Name</b>	Karyopharm Therapeutics Inc
<b>Parent Company Name</b>	Karyopharm Therapeutics Inc
<b>Website</b>	<a href="http://karyopharm.com/">http://karyopharm.com/</a>
<b>Country</b>	US
<b>Number of Drugs in Active Development</b>	7
<b>Number of Inactive Drugs</b>	3
<b>Number of Patents as Owner</b>	7
<b>Number of Patents as Third Party</b>	0
<b>Number of Deals</b>	9
<b>Key Indications</b>	Cancer, Inflammatory disease, Systemic lupus erythematosus, Viral infection, Autoimmune disease, Acute myelogenous leukemia, Endometrioid carcinoma, Female genital tract tumor, Glioblastoma, Hematological neoplasm, Hormone refractory prostate cancer, Multiple sclerosis, Ovary tumor, Rectal tumor, Sarcoma, Solid tumor, Uterine cervix tumor
<b>Key Target-based Actions</b>	Exportin 1 inhibitor, PAK-4 protein kinase inhibitor, Abl tyrosine kinase inhibitor, Bcr protein inhibitor, Bromodomain containing protein inhibitor, Cyclin-dependent kinase inhibitor 1B stimulator, Nuclear factor kappa B inhibitor, Nuclear pore complex protein modulator, XPO1 gene modulator, p53 tumor suppressor protein stimulator
<b>Key Technologies</b>	Small molecule therapeutic, Oral formulation, Dermatological formulation

## COMPANY PROFILE

### SUMMARY

Karyopharm, headquartered in Newton, MA, is a clinical-stage pharmaceutical company involved in the discovery and development of novel first-in-class drugs directed against nuclear transport targets for the treatment of cancer and other major diseases.

### FINANCIAL

In June 2014, Karyopharm commenced an underwritten public offering of 2,200,000 shares of its common stock, including 200,000 shares to be offered by existing stockholders. At that time, the company intended to grant underwriters a 30-day option to purchase up to an additional 330,000 shares of common stock. Later that month, the company priced the underwritten public offering of 2,647,247 common stock shares at \$42.50 per share. The underwriters were granted a 30-day option to buy up to an additional 397,087 common stock shares. At that time, the offering was expected to close on or about July 02, 2014. Again later that month, the underwriters have exercised their option to purchase the additional shares and the company expected to raise approximately \$120.9 million through the underwritten public offering after the option exercise.

In December 2013, Karyopharm was added to the Russell 3000 and Russell 2000 Indexes as part of Russell Investments.

In October 2013, the company planned an IPO of its common stock; at that time a Form S-1 registration statement had been filed with the US Securities and Exchange Commission; in November 2013, the IPO of 6.8 million shares were priced at \$16 per share. The underwriters were granted a 30-day option to purchase up to an additional 1.02 million shares of common stock. The shares were to be traded on the NASDAQ Global Select Market under the ticker symbol 'KPTI'. At that time, the offering was expected to close on November 12, 2013. In December 2013, the underwriters fully exercised their option to purchase an additional 1.02 million shares of common stock at the public offering price of \$16 each. Proceeds to Karyopharm from the exercise of the option were approximately \$15.2 million, including which gross proceeds to Karyopharm from the initial public offering were \$125.1 million.

In May 2013, Karyopharm raised \$48.2 million from a series B financing round. In July 2013, the company raised \$19 million in a series B1 financing.

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In November 2010, Karyopharm raised \$20 million from a series A financing round. In November 2011, Karyopharm raised \$10 million from a series A2 financing round and by that time, the company had raised \$32 million from both series A and series A2 financing rounds.

SUBSIDIARY COMPANIES

Names
NPM Pharma Inc

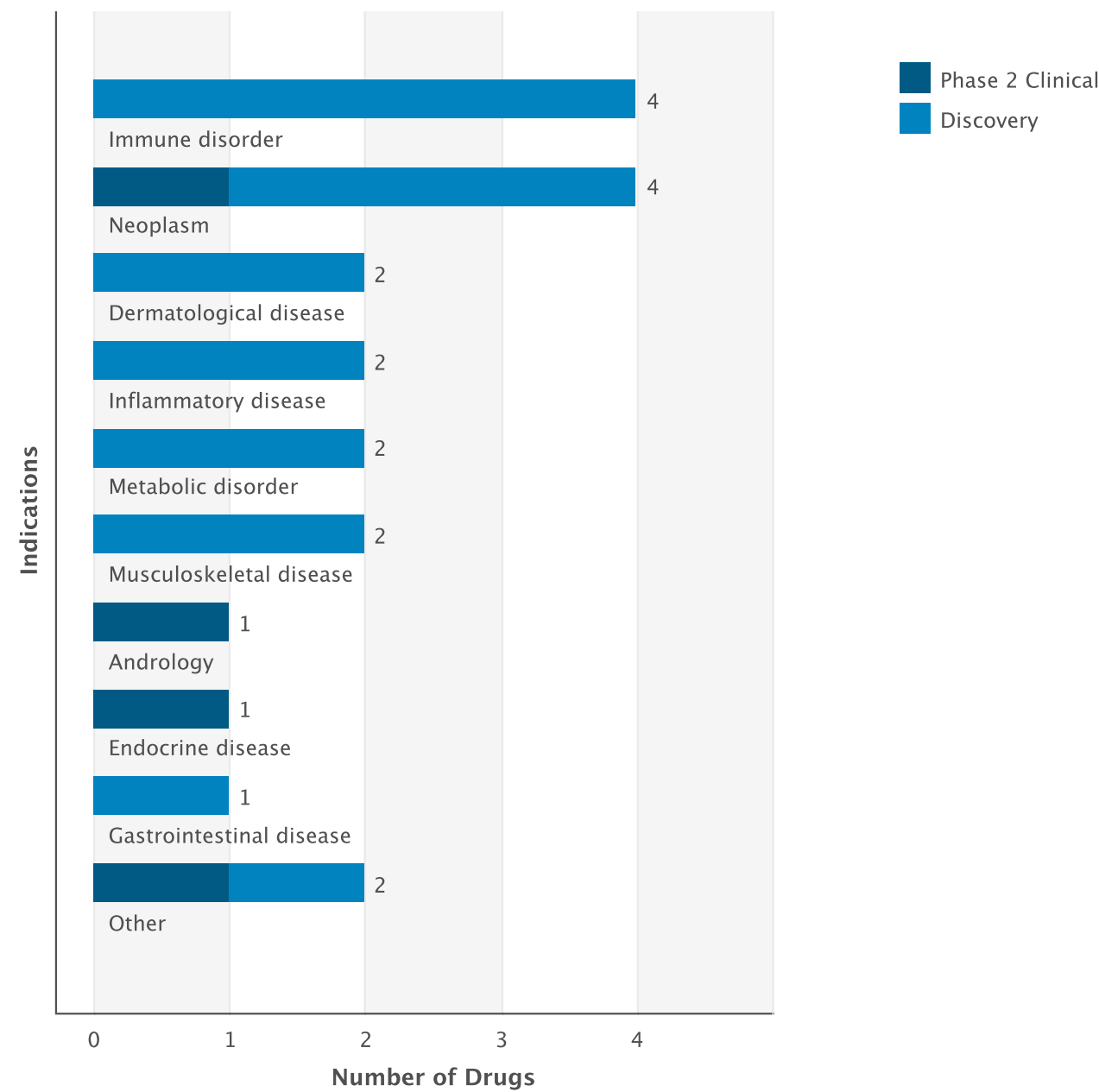
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PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



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## Drugs by Indication Table

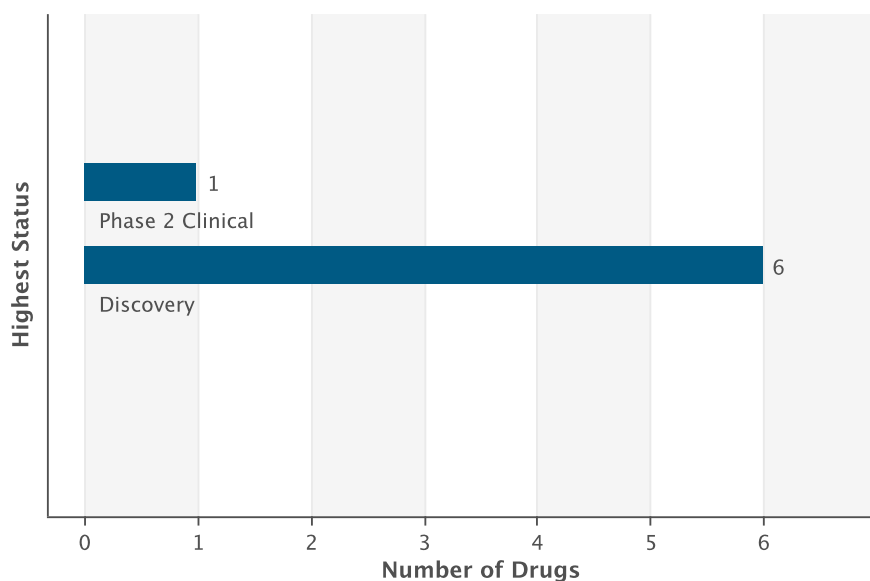
Indication	Active	Inactive	Total
Neoplasm	4	2	6
Immune disorder	4	1	5
Dermatological disease	2	1	3
Infectious disease	1	2	3
Musculoskeletal disease	2	0	2
Metabolic disorder	2	0	2
Inflammatory disease	2	0	2
Unidentified indication	0	1	1
Hematological disease	1	0	1
Genitourinary disease	1	0	1
Endocrine disease	1	0	1
Neurological disease	1	0	1
Gastrointestinal disease	1	0	1
Gynecology and obstetrics	1	0	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
Discovery	6
Discontinued	1
No Development Reported	2

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Discovery/Design	0	0	1	0	1
Drug - Funding	3	0	0	0	3
Drug - Early Research/Development	0	0	1	0	1
Drug - Development Services	0	0	4	0	4

## CLINICAL TRIALS

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## Trials by Condition Studied

Condition Studied	Ongoing	All
Neoplasm	13	14
Hematological disease	5	6
Genitourinary disease	2	2
Immune disorder	1	2
Gastrointestinal disease	1	1
Andrology	1	1
Gynecology and obstetrics	1	1
Endocrine disease	1	1
Dermatological disease	1	1

## Trials by Phase

Phase	Ongoing	All
Phase 2	5	5
Phase 1	8	9

## 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	2	0	2
Gastrointestinal disease	2	0	2
Genitourinary disease	4	0	4
Hematological disease	1	0	1
Immune disorder	3	0	3
Psychiatric disorder	1	0	1
Neoplasm	6	0	6

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Ocular disease	2	0	2
Neurological disease	3	0	3
Nutritional disorder	1	0	1
Respiratory disease	4	0	4
Infectious disease	5	0	5
Inflammatory disease	5	0	5
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 DRUGS

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

### selinexor

<b>Drug Name</b>	selinexor
<b>Key Synonyms</b>	selinexor
<b>Originator Company</b>	Karyopharm Therapeutics Inc
<b>Active Companies</b>	Karyopharm Therapeutics Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Hematological neoplasm, Endometrioid carcinoma, Glioblastoma, Cancer, Solid tumor, Acute myelogenous leukemia, Rectal tumor, Uterine cervix tumor, Hormone refractory prostate cancer, Viral infection, Systemic lupus erythematosus, Ovary tumor, Female genital tract tumor, Sarcoma
<b>Target-based Actions</b>	Exportin 1 inhibitor, Abl tyrosine kinase inhibitor, Bcr protein inhibitor, Cyclin-dependent kinase inhibitor 1B stimulator
<b>Other Actions</b>	Apoptosis stimulator, Synergist, DNA synthesis inhibitor, Antiviral, Anti-inflammatory, Cell cycle inhibitor, Anticancer protein kinase inhibitor
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	24-Jul-2014

### nuclear import inhibitor (cancer), Karyopharm Therapeutics

<b>Drug Name</b>	nuclear import inhibitor (cancer), Karyopharm Therapeutics
<b>Key Synonyms</b>	
<b>Originator Company</b>	Karyopharm Therapeutics Inc
<b>Active Companies</b>	Karyopharm Therapeutics Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Cancer
<b>Target-based Actions</b>	
<b>Other Actions</b>	Anticancer, Unspecified drug target
<b>Technologies</b>	Small molecule therapeutic
<b>Last Change Date</b>	19-Sep-2013

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### KPT-355

Drug Name	KPT-355
Key Synonyms	
Originator Company	Karyopharm Therapeutics Inc
Active Companies	Karyopharm Therapeutics Inc
Inactive Companies	Rega Institute for Medical Research
Highest Status	Discovery
Active Indications	Inflammatory disease, Autoimmune disease
Target-based Actions	Exportin 1 inhibitor
Other Actions	Antiviral, Anti-inflammatory, Anticancer
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	28-Nov-2013

### KPT-350

Drug Name	KPT-350
Key Synonyms	
Originator Company	Karyopharm Therapeutics Inc
Active Companies	Karyopharm Therapeutics Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Inflammatory disease, Systemic lupus erythematosus
Target-based Actions	Nuclear factor kappa B inhibitor, Exportin 1 inhibitor
Other Actions	Immunosuppressant, Anti-inflammatory
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	28-Nov-2013

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### anticancer compounds, Karyopharm Therapeutics

<b>Drug Name</b>	anticancer compounds, Karyopharm Therapeutics
<b>Key Synonyms</b>	
<b>Originator Company</b>	Karyopharm Therapeutics Inc
<b>Active Companies</b>	Karyopharm Therapeutics Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Cancer
<b>Target-based Actions</b>	
<b>Other Actions</b>	Unspecified drug target, Anticancer
<b>Technologies</b>	Small molecule therapeutic
<b>Last Change Date</b>	04-Jun-2013

### PAK4 inhibitors (oral, cancer), Karyopharm Therapeutics

<b>Drug Name</b>	PAK4 inhibitors (oral, cancer), Karyopharm Therapeutics
<b>Key Synonyms</b>	
<b>Originator Company</b>	Karyopharm Therapeutics Inc
<b>Active Companies</b>	Karyopharm Therapeutics Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Cancer
<b>Target-based Actions</b>	PAK-4 protein kinase inhibitor
<b>Other Actions</b>	Apoptosis stimulator, Cell cycle inhibitor, Anticancer protein kinase inhibitor
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	01-May-2014

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SINE compounds (multiple sclerosis), Mount Sinai School of Medicine/ Karyopharm Therapeutics

Drug Name	SINE compounds (multiple sclerosis), Mount Sinai School of Medicine/ Karyopharm Therapeutics
Key Synonyms	
Originator Company	Mount Sinai School of Medicine
Active Companies	Karyopharm Therapeutics Inc, Mount Sinai School of Medicine
Inactive Companies	
Highest Status	Discovery
Active Indications	Multiple sclerosis
Target-based Actions	Exportin 1 inhibitor
Other Actions	Anti-inflammatory
Technologies	Small molecule therapeutic
Last Change Date	10-Jan-2014

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