

## Karyopharm Therapeutics Inc

### COMPANY AND PIPELINE OVERVIEW REPORT

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

Publication Date: 11-Dec-2012

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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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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# 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> | 6  |
| <b>Number of Inactive Drugs</b>              | 0  |
| <b>Number of Patents as Owner</b>            | 2  |
| <b>Number of Patents as Third Party</b>      | 0  |
| <b>Number of Deals</b>                       | 3  |
| <b>Key Indications</b>                       | Cancer,Viral infection,Autoimmune disease,Unidentified indication,Inflammatory disease,Dermatological disease,Hematological neoplasm,Solid tumor,Systemic lupus erythematosus,Glomerulonephritis,Myocardial disease,Pulmonary  |
| <b>Key Target-based Actions</b>              | Exportin 1 inhibitor,Abl tyrosine kinase inhibitor,Bcr protein inhibitor,Bromodomain containing protein inhibitor,Cyclin-dependent kinase inhibitor 1B stimulator,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 biopharmaceutical company focused on the development of drugs for cancer, inflammation and other diseases related to cell proliferation.

### FINANCIAL

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.

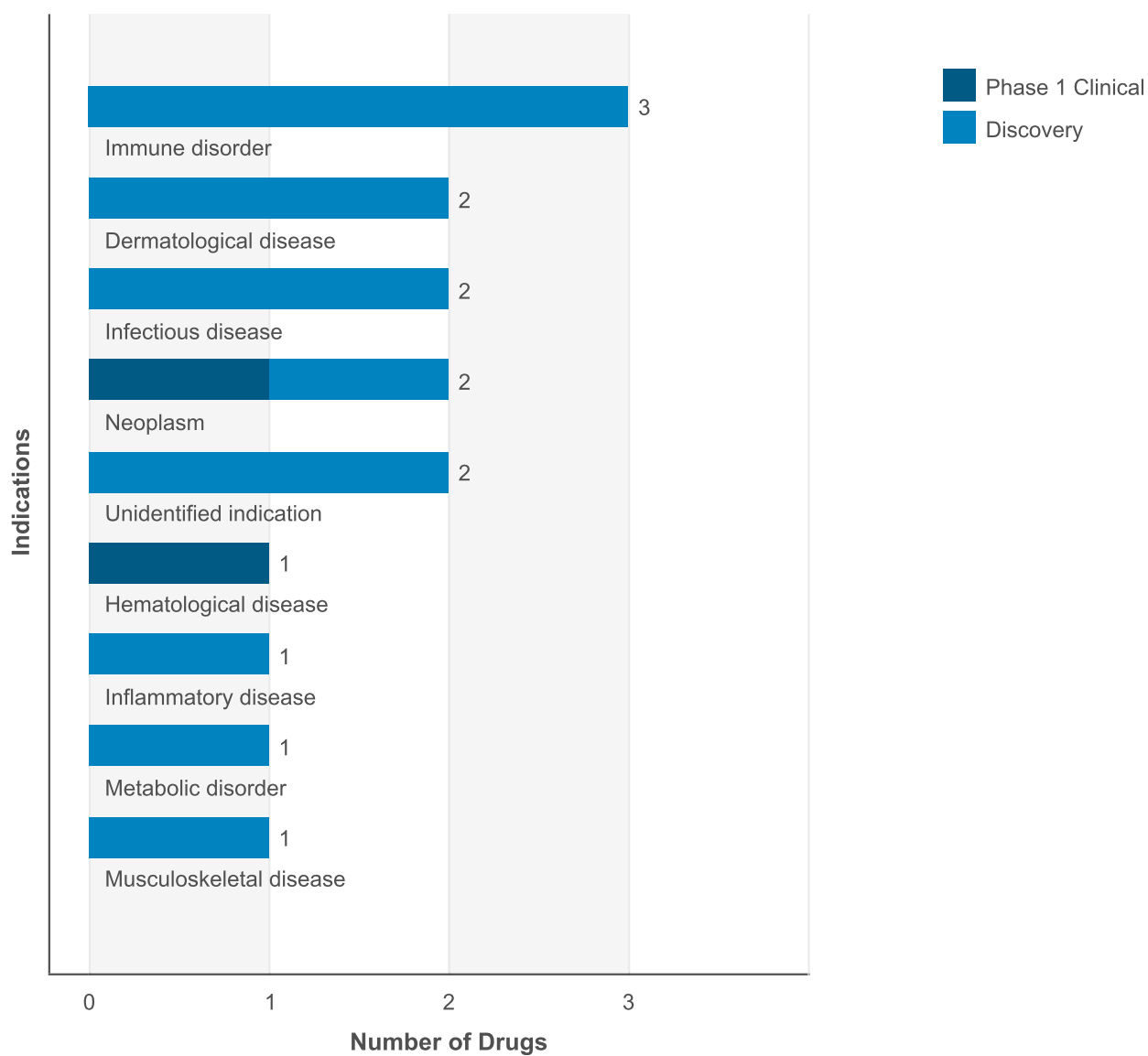
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## PRODUCT PORTFOLIO SUMMARY

### DRUGS

#### Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

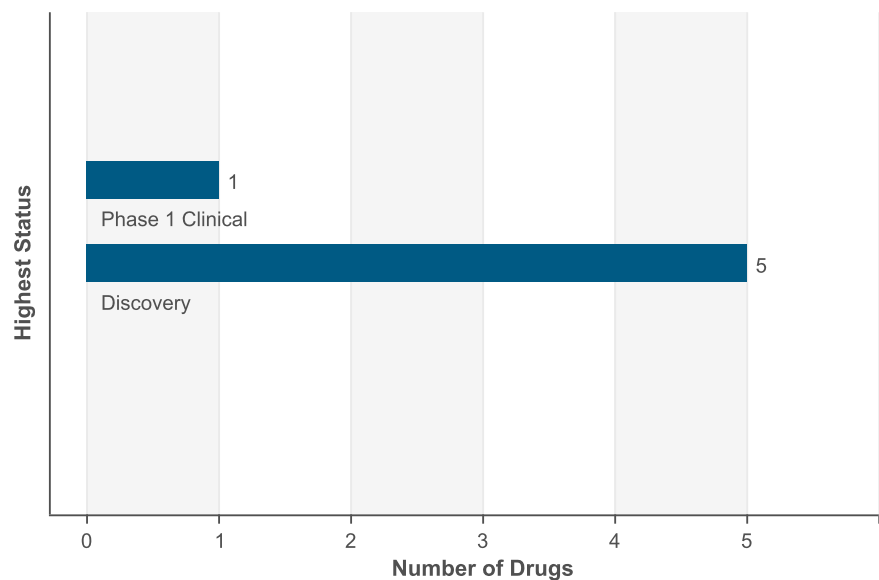
| Indication         | Active | Inactive | Total |
|--------------------|--------|----------|-------|
| Immune disorder    | 3      | 0        | 3     |
| Infectious disease | 2      | 0        | 2     |
| Neoplasm           | 2      | 0        | 2     |

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|                         |   |   |   |
|-------------------------|---|---|---|
| Unidentified indication | 2 | 0 | 2 |
| Dermatological disease  | 2 | 0 | 2 |
| Metabolic disorder      | 1 | 0 | 1 |
| Inflammatory disease    | 1 | 0 | 1 |
| Hematological disease   | 1 | 0 | 1 |
| Musculoskeletal 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 1 Clinical   | 1               |
| Discovery          | 5               |

# DEALS

| Deal Type                   | Principal |          | Partner |          | Total |
|-----------------------------|-----------|----------|---------|----------|-------|
|                             | Active    | Inactive | Active  | Inactive |       |
| Drug - Discovery/Design     | 0         | 0        | 1       | 0        | 1     |
| Drug - Funding              | 1         | 0        | 0       | 0        | 1     |
| Drug - Development Services | 0         | 0        | 1       | 0        | 1     |

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## PATENTS \*

| Indication               | As Owner | As Third Party | Total |
|--------------------------|----------|----------------|-------|
| Neoplasm                 | 2        | 0              | 2     |
| Cardiovascular disease   | 2        | 0              | 2     |
| Genitourinary disease    | 2        | 0              | 2     |
| Gastrointestinal disease | 2        | 0              | 2     |
| Respiratory disease      | 2        | 0              | 2     |
| Infectious disease       | 2        | 0              | 2     |
| Inflammatory disease     | 2        | 0              | 2     |

\* 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

### KPT-330

|                             |   |
|-----------------------------|---|
| <b>Drug Name</b>            | KPT-330   |
| <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>       | Phase 1 Clinical  |
| <b>Active Indications</b>   | Systemic lupus erythematosus, Cancer, Solid tumor, Hematological neoplasm   |
| <b>Target-based Actions</b> | Bcr protein inhibitor, Cyclin-dependent kinase inhibitor 1B stimulator, Exportin 1 inhibitor, Abl tyrosine kinase inhibitor |
| <b>Other Actions</b>        | Dermatological agent, Anti-inflammatory, Antiviral, Apoptosis stimulator, Anticancer protein kinase inhibitor, Synergist    |
| <b>Technologies</b>         | Oral formulation, Small molecule therapeutic  |
| <b>Last Change Date</b>     | 30-Nov-2012   |

### KPT-127

|                             |  |
|-----------------------------|--|
| <b>Drug Name</b>            | KPT-127  |
| <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>   | Autoimmune disease, Viral infection, Cancer  |
| <b>Target-based Actions</b> | p53 tumor suppressor protein stimulator, XPO1 gene modulator, Nuclear pore complex protein modulator |
| <b>Other Actions</b>        | Anticancer, Antiviral  |
| <b>Technologies</b>         | Oral formulation, Small molecule therapeutic   |
| <b>Last Change Date</b>     | 02-Nov-2012  |

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## KPT-260

|                      |  |
|----------------------|--|
| Drug Name            | KPT-260  |
| Key Synonyms         |  |
| Originator Company   | Karyopharm Therapeutics Inc                            |
| Active Companies     | Karyopharm Therapeutics Inc                            |
| Inactive Companies   |  |
| Highest Status       | Discovery  |
| Active Indications   | Dermatological disease                                 |
| Target-based Actions | Exportin 1 inhibitor                                   |
| Other Actions        | Dermatological agent, Anti-inflammatory                |
| Technologies         | Dermatological formulation, Small molecule therapeutic |
| Last Change Date     | 23-Nov-2012  |

## nuclear import inhibitor, Karyopharm Therapeutics

|                      |   |
|----------------------|---|
| Drug Name            | nuclear import inhibitor, Karyopharm Therapeutics |
| Key Synonyms         |   |
| Originator Company   | Karyopharm Therapeutics Inc                       |
| Active Companies     | Karyopharm Therapeutics Inc                       |
| Inactive Companies   |   |
| Highest Status       | Discovery   |
| Active Indications   | Unidentified indication                           |
| Target-based Actions |   |
| Other Actions        | Unspecified drug target                           |
| Technologies         | Small molecule therapeutic                        |
| Last Change Date     | 23-Nov-2012                                       |

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### bromodomain inhibitor, Karyopharm Therapeutics

|                             |  |
|-----------------------------|--|
| <b>Drug Name</b>            | bromodomain inhibitor, 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>   | Unidentified indication                        |
| <b>Target-based Actions</b> | Bromodomain containing protein inhibitor       |
| <b>Other Actions</b>        |  |
| <b>Technologies</b>         | Small molecule therapeutic                     |
| <b>Last Change Date</b>     | 23-Nov-2012                                    |

### KPT-355

|                             |  |
|-----------------------------|--|
| <b>Drug Name</b>            | KPT-355  |
| <b>Key Synonyms</b>         |  |
| <b>Originator Company</b>   | Karyopharm Therapeutics Inc                                      |
| <b>Active Companies</b>     | Rega Institute for Medical Research, Karyopharm Therapeutics Inc |
| <b>Inactive Companies</b>   |  |
| <b>Highest Status</b>       | Discovery  |
| <b>Active Indications</b>   | Autoimmune disease, Inflammatory disease, Viral infection        |
| <b>Target-based Actions</b> | Exportin 1 inhibitor   |
| <b>Other Actions</b>        | Anti-inflammatory, Antiviral                                     |
| <b>Technologies</b>         | Oral formulation, Small molecule therapeutic                     |
| <b>Last Change Date</b>     | 23-Nov-2012  |

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