

## **NephroGenex Inc**

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

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

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#### **THOMSON REUTERS**

3 Times Square  
New York, New York 10036  
United States

Tel: +1 646 223 4000

[thomsonreuters.com](http://thomsonreuters.com)

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	NephroGenex Inc
Parent Company Name	NephroGenex Inc
Website	<a href="http://www.nephrogenex.com/">http://www.nephrogenex.com/</a>
Country	US
Number of Drugs in Active Development	2
Number of Inactive Drugs	2
Number of Patents as Owner	3
Number of Patents as Third Party	0
Number of Deals	5
Key Indications	Diabetic nephropathy, Renal injury, Renal failure
Key Target-based Actions	
Key Technologies	Intravenous formulation, Small molecule therapeutic, Synthetic method

## COMPANY PROFILE

### SUMMARY

NephroGenex is a biotechnology company based in Cary, NC. The company is applying the latest advances in molecular profiling technologies with regard to developing drugs for the potential treatment of kidney disease, and is acquiring commercial rights to clinical-stage candidates that exhibit activity toward established renal pathology, as well as identifying renal molecular profiles and biomarkers that identify patients that are more likely to respond to therapy.

### LICENSING AGREEMENTS

In May 2005, NephroGenex acquired exclusive commercial rights to glomerular transcriptome profiling technology developed by Drs. Karl Tryggvason and Christer Betsholtz of the Department of Medical Biochemistry and Biophysics at the Karolinska Institute. The technology utilizes GlomChip, a DNA chip developed to measure expressed genes in the glomerulus.

### FINANCIAL

In February 2014, the company expected to raise gross proceeds of \$37,200,000 from an IPO of 3,100,000 shares of its common stock, priced at \$12.00 per share. The underwriters were granted a 45-day option to buy up to an additional 465,000 shares of common stock to cover any over-allotments. At that time, the offering was expected to close on February 14, 2014. Also at that time, the company's common stock was approved for listing on the NASDAQ Capital Market and trading was expected to begin under the ticker symbol "NRX" on February 11, 2014. Later that month, trading of shares began; and the IPO was closed.

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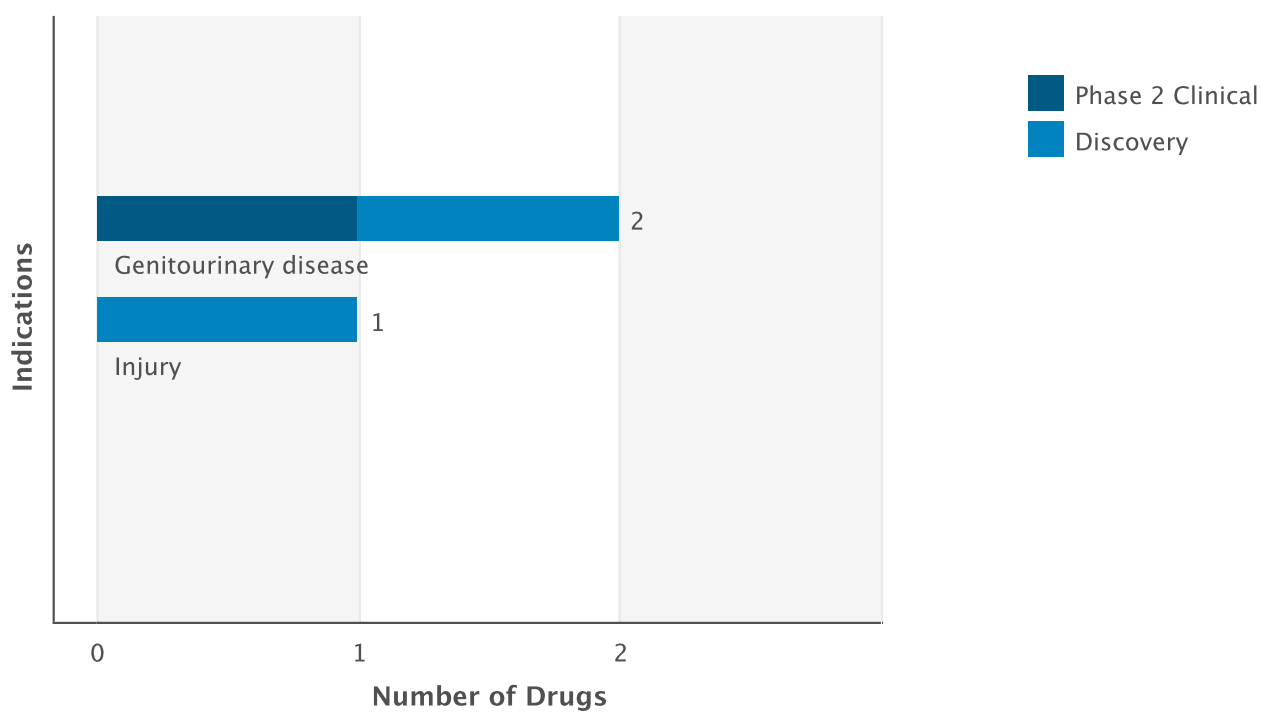


## PRODUCT PORTFOLIO SUMMARY

### DRUGS

#### Drugs by Indication

Active Drugs by Indication Chart



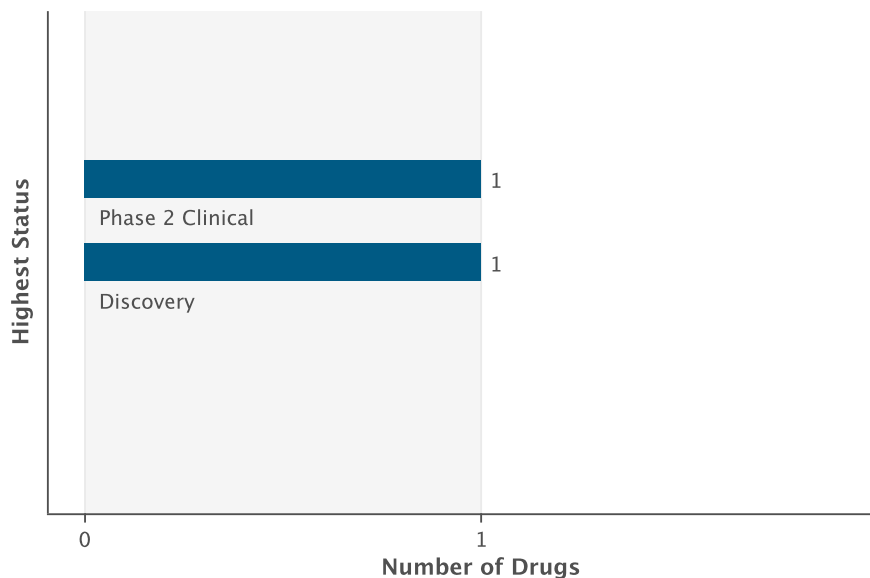
Drugs by Indication Table

Indication	Active	Inactive	Total
Genitourinary disease	2	1	3
Metabolic disorder	0	1	1
Endocrine disease	0	1	1
Injury	1	0	1
Gastrointestinal disease	0	1	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	1
No Development Reported	2

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Technology - Other Proprietary	0	0	1	0	1
Drug - Early Research/Development	0	0	1	0	1
Drug - Development/Commercialization License	0	0	1	0	1
Drug - Commercialization License	0	0	1	0	1
Drug - Development Services	0	0	1	0	1

## CLINICAL TRIALS

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## Trials by Condition Studied

Condition Studied	Ongoing	All
Genitourinary disease	0	3

## Trials by Phase

Phase	Ongoing	All
Phase 2	0	2
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	1	0	1
Endocrine disease	2	0	2
Gastrointestinal disease	2	0	2
Genitourinary disease	4	0	4
Musculoskeletal disease	1	0	1
Ocular disease	1	0	1
Metabolic disorder	3	0	3
Neurological disease	1	0	1
Inflammatory 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

### pyridoxamine dihydrochloride

<b>Drug Name</b>	pyridoxamine dihydrochloride
<b>Key Synonyms</b>	Pyridorin
<b>Originator Company</b>	BioStratum Inc
<b>Active Companies</b>	NephroGenex Inc
<b>Inactive Companies</b>	Kowa Co Ltd, BioStratum Inc
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Diabetic nephropathy
<b>Target-based Actions</b>	
<b>Other Actions</b>	Glycosylation inhibitor, Protectant, Antioxidant agent
<b>Technologies</b>	Oral formulation, Small molecule therapeutic
<b>Last Change Date</b>	12-Dec-2013

### pyridoxamine dihydrochloride (intravenous, acute kidney injury), NephroGenex

<b>Drug Name</b>	pyridoxamine dihydrochloride (intravenous, acute kidney injury), NephroGenex
<b>Key Synonyms</b>	
<b>Originator Company</b>	NephroGenex Inc
<b>Active Companies</b>	NephroGenex Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Renal injury
<b>Target-based Actions</b>	
<b>Other Actions</b>	Antioxidant agent, Glycosylation inhibitor, Protectant
<b>Technologies</b>	Intravenous formulation, Small molecule therapeutic
<b>Last Change Date</b>	12-Dec-2013

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