

## Otonomy 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)

[Return to Table of Contents](#)

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[Return to Table of Contents](#)



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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

[Return to Table of Contents](#)



TABLE OF CONTENTS

Company Overview..... 5

Company Profile..... 6

Product Portfolio Summary..... 6

Product Portfolio Drugs..... 9

[Return to Table of Contents](#)

# Otonomy Inc

## COMPANY OVERVIEW

Company Name	Otonomy Inc
Parent Company Name	Otonomy Inc
Website	http://www.otonomy.com/
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	0
Number of Patents as Owner	12
Number of Patents as Third Party	0
Number of Deals	1
Key Indications	Tinnitus, Ear disease, Meniere disease, Otitis media, Hearing disorder, Chronic sinusitis, Fungal infection, Nasal polyps, Autoimmune disease, Dizziness, Epistaxis, Hearing loss, Inner ear disease, Nasopharyngeal carcinoma, Nose disease, Otitis, Presbycusis, Vertigo
Key Target-based Actions	Glucocorticoid agonist, DNA gyrase inhibitor, Topoisomerase IV inhibitor, NMDA receptor antagonist, Metabotropic glutamate receptor 1 modulator, Metabotropic glutamate receptor 5 modulator, Metabotropic glutamate receptor modulator
Key Technologies	Otic gel formulation, Small molecule therapeutic, Sustained release formulation, Otic formulation, Steroid, Antibiotic, Injectable controlled release formulation, Injectable formulation, Parenteral formulation unspecified, Liquid-based formulation technology

## COMPANY PROFILE

### SUMMARY

Otonomy, founded in 2008, is an emerging biopharmaceutical company dedicated to developing and marketing therapeutics designed specifically for the middle and inner ear.

### FINANCIAL

In September 2013, Otonomy raised \$45.9 million in a series C financing round.

In August 2010, the company raised \$38.5 million from a series B financing round.

In June 2010, the company raised \$10 million from a series A financing round.

[Return to Table of Contents](#)

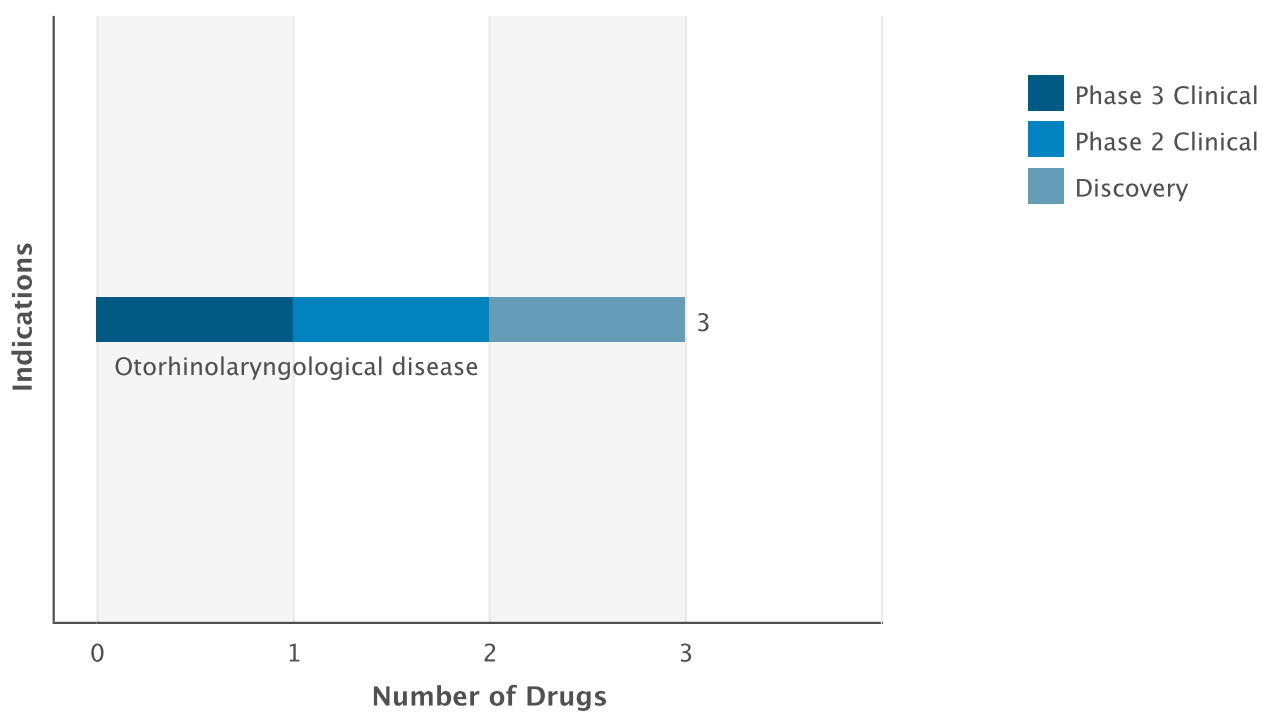


## PRODUCT PORTFOLIO SUMMARY

### DRUGS

#### Drugs by Indication

Active Drugs by Indication Chart



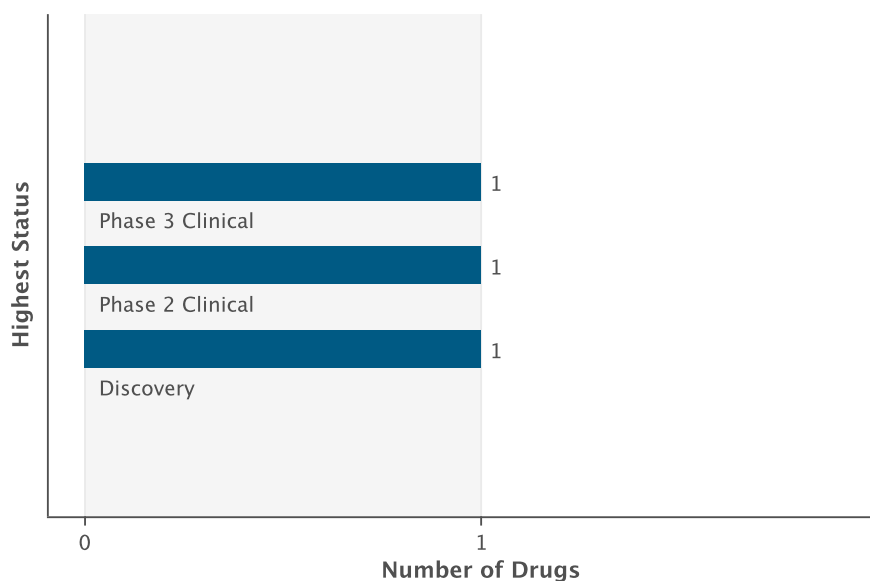
Drugs by Indication Table

Indication	Active	Inactive	Total
Otorhinolaryngological disease	3	0	3

[Return to Table of Contents](#)

## Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 3 Clinical	1
Phase 2 Clinical	1
Discovery	1

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Asset Divestment	0	0	1	0	1

## CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Otorhinolaryngological disease	2	4

Trials by Phase

Phase	Ongoing	All
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[Return to Table of Contents](#)

## Trials by Phase

Phase	Ongoing	All
Phase 3	1	1
Phase 2	1	1
Phase 1	0	2

### 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
Immune disorder	1	0	1
Neoplasm	1	0	1
Mouth disease	1	0	1
Neurological disease	4	0	4
Respiratory disease	1	0	1
Infectious disease	1	0	1
Injury	1	0	1
Inflammatory disease	1	0	1
Otorhinolaryngological disease	8	0	8

\* This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

[Return to Table of Contents](#)





## PRODUCT PORTFOLIO DRUGS

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

### ciprofloxacin (intratympanic sustained release gel, otitis media), Otonomy

<b>Drug Name</b>	ciprofloxacin (intratympanic sustained release gel, otitis media), Otonomy
<b>Key Synonyms</b>	ciprofloxacin
<b>Originator Company</b>	Otonomy Inc
<b>Active Companies</b>	Otonomy Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 3 Clinical
<b>Active Indications</b>	Otitis media
<b>Target-based Actions</b>	DNA gyrase inhibitor, Topoisomerase IV inhibitor
<b>Other Actions</b>	Antibacterial, Bacterial nucleic acid synthesis inhibitor
<b>Technologies</b>	Sustained release formulation, Injectable formulation, Antibiotic, Small molecule therapeutic, Parenteral formulation unspecified, Otic gel formulation
<b>Last Change Date</b>	12-Dec-2013

### dexamethasone (sustained release/intratympanic injection, ear disorders), Otonomy

<b>Drug Name</b>	dexamethasone (sustained release/intratympanic injection, ear disorders), Otonomy
<b>Key Synonyms</b>	dexamethasone
<b>Originator Company</b>	Otonomy Inc
<b>Active Companies</b>	Otonomy Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Meniere disease, Ear disease
<b>Target-based Actions</b>	Glucocorticoid agonist
<b>Other Actions</b>	Steroidal anti-inflammatory
<b>Technologies</b>	Injectable controlled release formulation, Otic formulation, Small molecule therapeutic, Otic gel formulation, Steroid
<b>Last Change Date</b>	12-Dec-2013

[Return to Table of Contents](#)



## OTO-311

<b>Drug Name</b>	OTO-311
<b>Key Synonyms</b>	gacyclidine
<b>Originator Company</b>	DURECT Corp
<b>Active Companies</b>	Otonomy Inc
<b>Inactive Companies</b>	NeuroSystem Corp, DURECT Corp
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Tinnitus
<b>Target-based Actions</b>	NMDA receptor antagonist
<b>Other Actions</b>	Analgesic
<b>Technologies</b>	Injectable controlled release formulation, Drug implant, Sustained release formulation, Nanoparticle formulation injectable, Otic formulation, Small molecule therapeutic, Local formulation unspecified
<b>Last Change Date</b>	04-Dec-2013

[Return to Table of Contents](#)



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[Return to Table of Contents](#)

