

## Relypsa Inc

### CORTELLIS COMPANY DETAILED PIPELINE REPORT

A comprehensive coverage of the the company's drug pipeline portfolio including detailed product records.

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

Company Name	Relypsa Inc
Parent Company Name	Relypsa Inc
Website	http://www.relypsa.com/
Country	US
Number of Drugs in Active Development	2
Number of Inactive Drugs	4
Number of Patents as Owner	9
Number of Patents as Third Party	0
Number of Deals	1
Key Indications	Hyperkalemia, Metabolic disorder, Congestive heart failure, Coronary artery disease, Hyperlipidemia, Non-alcoholic steatohepatitis, Non-insulin dependent diabetes, Pruritus, Alzheimers disease, Renal disease
Key Target-based Actions	Potassium channel modulator
Key Technologies	Small molecule therapeutic, Oral formulation, Oral suspension formulation, Formulation preservation, Capsule formulation, Formulation powder, Hydrolytic synthesis, Nucleophilic substitutional synthesis

## COMPANY PROFILE

### SUMMARY

Relypsa Inc, a spin out of Ilypsa, a subsidiary of Amgen, is a pharmaceutical company, is a clinical-stage biopharmaceutical company leading the discovery and development of novel non-absorbed polymeric drugs for important applications in cardiovascular and renal diseases.

### FINANCIAL

In November 2013, the company was to raise net proceeds of \$67.4 million from an initial public offering of 6.85 million shares of its common stock at \$11.00 per share. The underwriters were granted a 30-day option to buy up to an additional 1,027,500 shares to cover any over-allotments. The shares began trading on the NASDAQ Global Select market under the ticker symbol 'RLYP'. Later in the month, the offering was closed and the underwriters fully exercised their overallotment option, with estimated net proceeds of \$77.9 million.

In August 2012, the company raised \$80 million in a series C preferred stock financing round.

In September 2010, the company raised \$70 million in a series B financing round.

In October 2007, the company raised \$33 million in a series A financing round.

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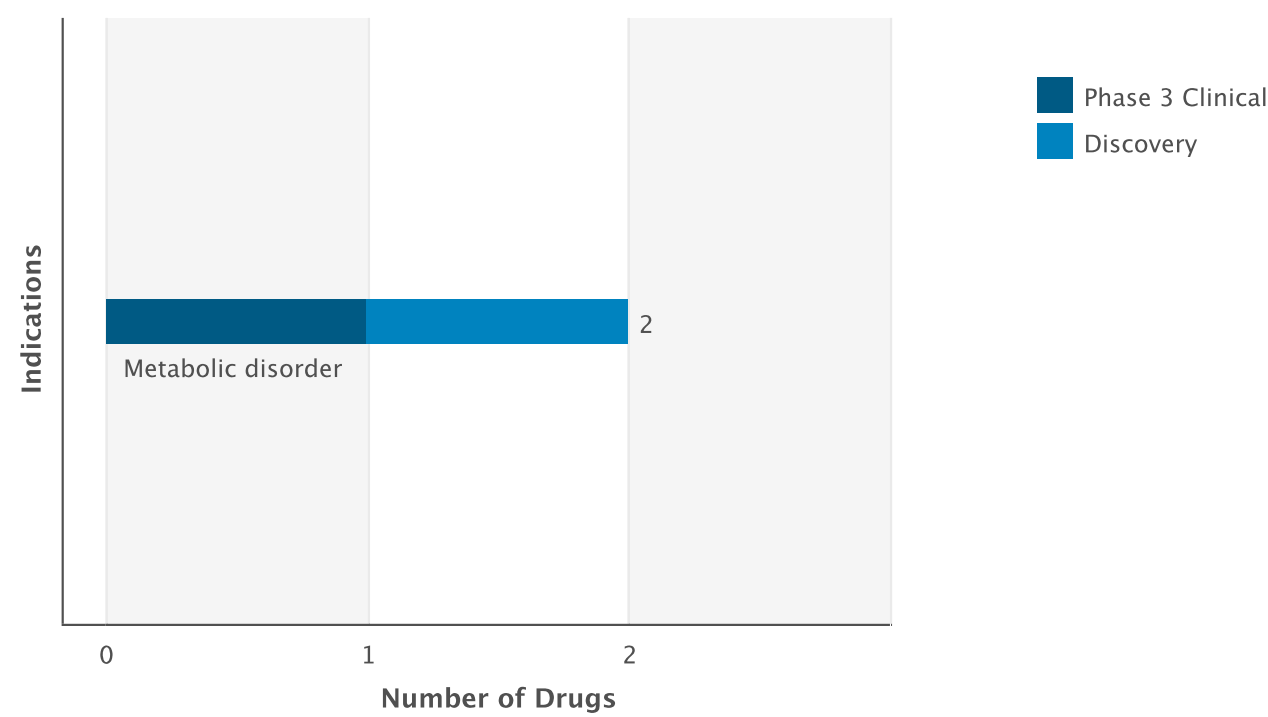


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



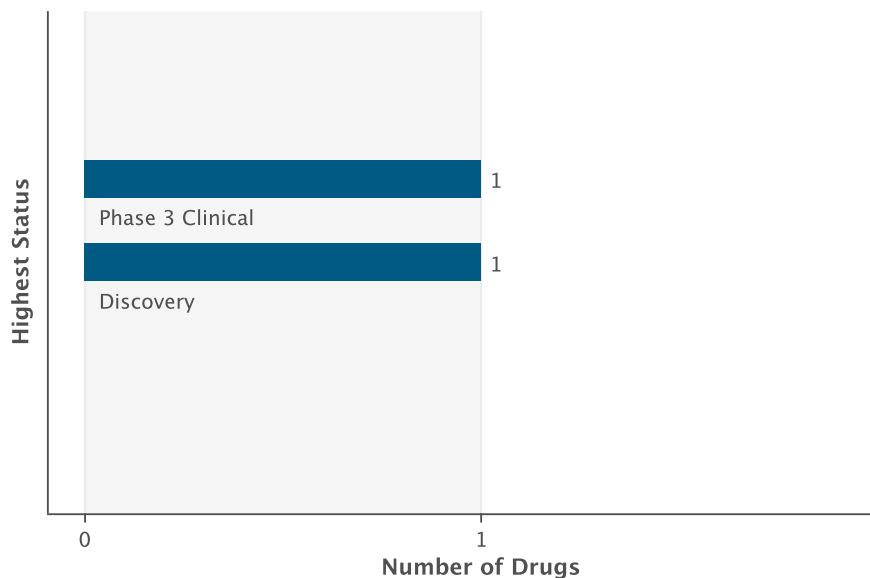
Drugs by Indication Table

Indication	Active	Inactive	Total
Metabolic disorder	2	2	4
Cardiovascular disease	0	2	2
Genitourinary 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 3 Clinical	1
Discovery	1
No Development Reported	4

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1

## CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Metabolic disorder	0	7
Genitourinary disease	0	1

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## Trials by Phase

Phase	Ongoing	All
Phase 3	0	1
Phase 2	0	5
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	11	0	11
Endocrine disease	4	0	4
Gastrointestinal disease	4	0	4
Genitourinary disease	5	0	5
Degeneration	2	0	2
Metabolic disorder	12	0	12
Neurological disease	2	0	2
Inflammatory disease	3	0	3
Dermatological disease	3	0	3

\* 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 DRUG PIPELINE DETAIL

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

### patiomer calcium

#### patiomer calcium SNAPSHOT

<b>Drug Name</b>	patiomer calcium
<b>Key Synonyms</b>	patiomer;patiomer calcium
<b>Originator Company</b>	Relypsa Inc
<b>Active Companies</b>	Relypsa Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 3 Clinical
<b>Active Indications</b>	Hyperkalemia
<b>Target-based Actions</b>	
<b>Other Actions</b>	Potassium metabolism modulator
<b>Technologies</b>	Oral formulation;Oral suspension formulation;Small molecule therapeutic
<b>Last Change Date</b>	05-Feb-2014

#### patiomer calcium DEVELOPMENT PROFILE

##### SUMMARY

Relypsa is developing patiomer calcium (RLY-5016), a potassium binder, as an oral suspension formulation, for the potential prevention and treatment of hyperkalemia in chronic heart failure and chronic kidney disease patients,. In February 2013, enrollment began in a pivotal trial ; in May 2013, patient enrollment was completed ; in September 2013, topline data from the part A of the trial were reported ; in October 2013, topline data from the part B of the trial were reported. In January 2014, an NDA was expected to be filed in the third quarter of 2014. In March 2012, the company was seeking to outlicense its program.

The company was developing a second potassium binder, RLY-105, for the same indication. However, no development has been reported for some time and the company is presumed to have discontinued development of the drug.

#### patiomer calcium DEVELOPMENT STATUS

##### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Relypsa Inc	Hyperkalemia	US	Phase 3 Clinical	20-Feb-2013
Relypsa Inc	Hyperkalemia	Europe	Phase 2 Clinical	30-Apr-2009

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## patiomer calcium DRUG NAMES

Names	Type
potassium binder (hyperkalemia), Relypsa	
patiomer	USAN
RLY-5016	Research Code
patiomer calcium	INN, USAN
potassium binder (oral suspension formulation, hyperkalemia), Relypsa	

## patiomer calcium SALES AND FORECASTS

## COMMENTARY

## REGIONAL DEVELOPMENT AND MARKETING RIGHTS

Relypsa holds worldwide rights.

## patiomer calcium CLINICAL TRIALS

### Trials by Phase and Condition Studied

Phase 4 Clinical		Phase 3 Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total	
On-going	All	On-going	All	On-going	All	On-going	All	On-going	All	On-going	All
Hyperkalemia											
0	0	0	1	0	4	0	2	0	0	0	7
Kidney dialysis											
0	0	0	0	0	1	0	0	0	0	0	1

### Total Trials by Phase and Status

Phase 4 Clinical		Phase 3 Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total	
On-going	All	On-going	All	On-going	All	On-going	All	On-going	All	On-going	All
Total by Phase and Status											
0	0	0	1	0	5	0	2	0	0	0	8

### 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

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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)

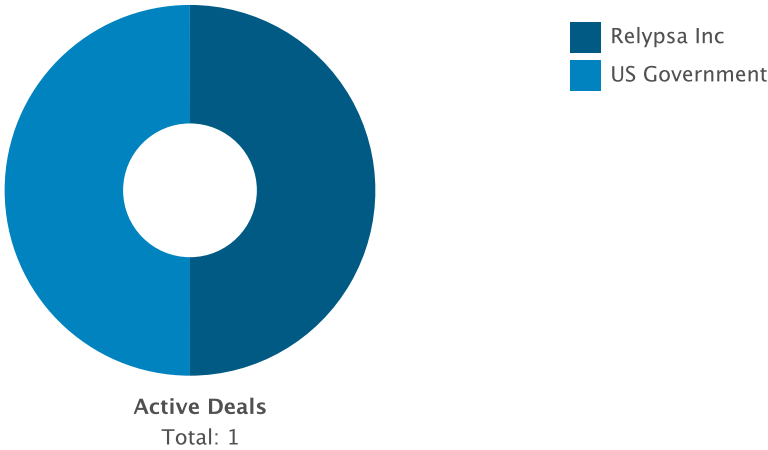
**Phase 1 Clinical**

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

**patiomer calcium DEALS AND PATENTS**

**DEALS**

**Deals by Parent Company Chart**

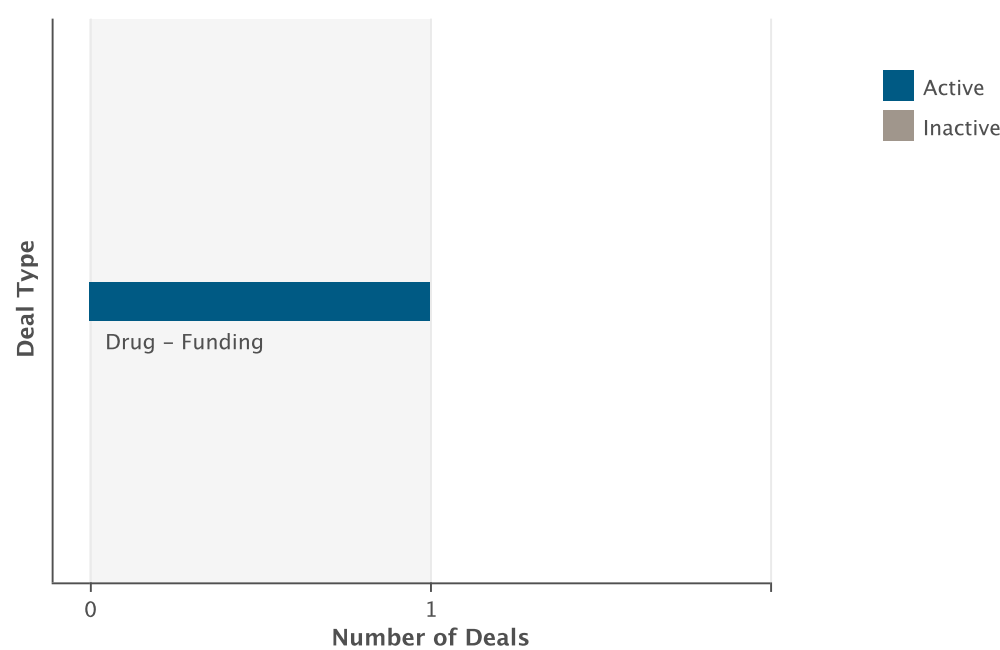


**Deals by Parent Company Table**

Company Name	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
US Government	0	0	1	0	1
Relypsa Inc	1	0	0	0	1

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Deals by Type Chart



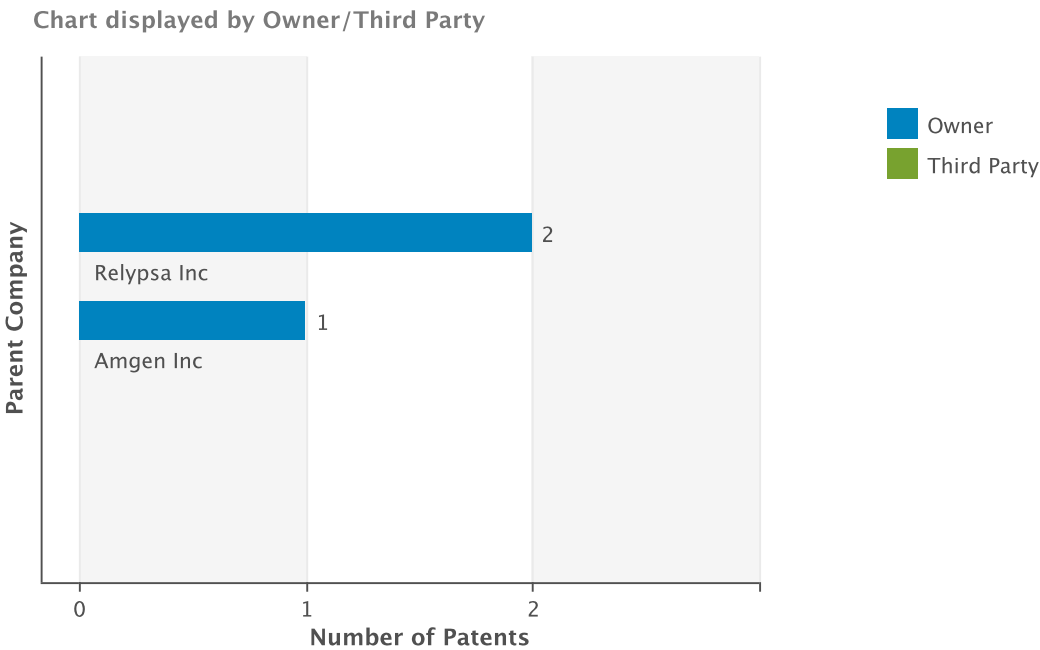
Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - Funding	1	0	1

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PATENTS

Patents by Parent Company Chart

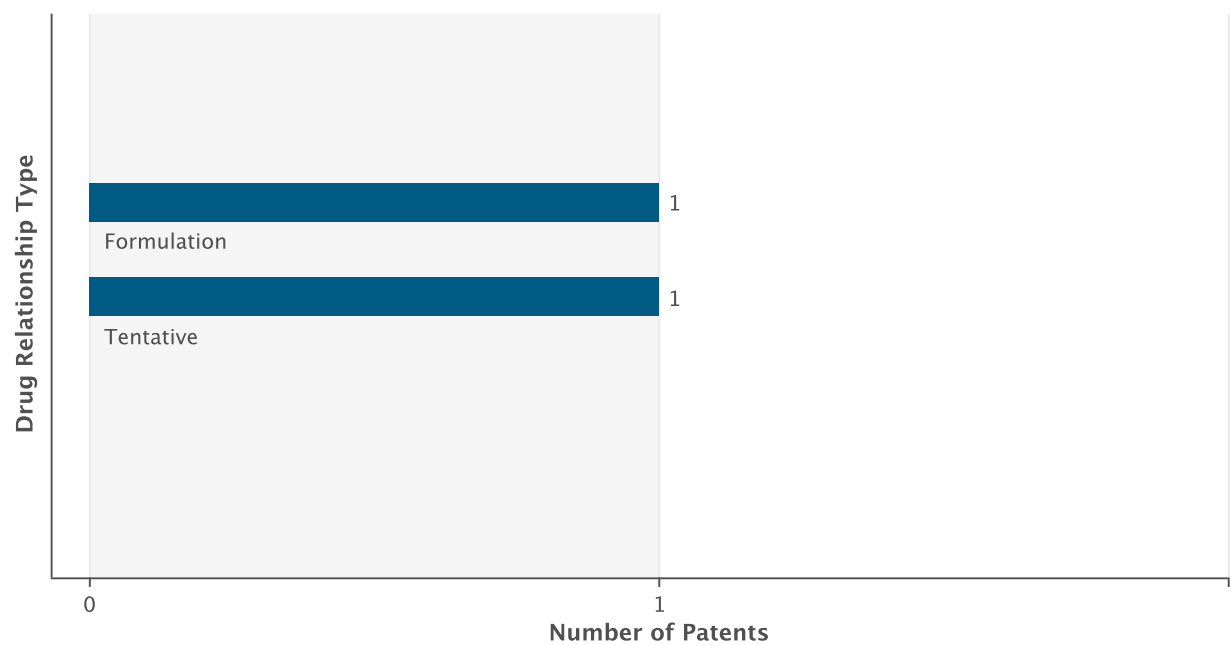


Patents by Parent Company Table

Company Name	As Owner	As Third Party	Total
Relypsa Inc	2	0	2
Amgen Inc	1	0	1

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Patents by Drug Relationship Type Chart



Patents by Drug Relationship Type Table

Drug Relationship	Total
Formulation	1
Tentative	1

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## RLY-6002

### RLY-6002 SNAPSHOT

Drug Name	RLY-6002
Key Synonyms	
Originator Company	Relypsa Inc
Active Companies	Relypsa Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Metabolic disorder
Target-based Actions	
Other Actions	Hypoglycemic agent
Technologies	Small molecule therapeutic
Last Change Date	09-Jan-2014

### RLY-6002 DEVELOPMENT PROFILE

#### SUMMARY

Relypsa is investigating RLY-6002, nonabsorbed polymeric drug developed using its proprietary polymer platform technology for the potential treatment of metabolic disease including type 2 diabetes mellitus. In January 2014, the drug was listed as being in preclinical development.

### RLY-6002 DEVELOPMENT STATUS

#### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Relypsa Inc	Metabolic disorder	US	Discovery	09-Jan-2014

### RLY-6002 DRUG NAMES

Names	Type
RLY-6002	Research Code

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