

CoNCERT Pharmaceuticals Inc

COMPANY AND PIPELINE OVERVIEW REPORT

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

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

COMPANY OVERVIEW

Company Name	CoNCERT Pharmaceuticals Inc
Parent Company Name	CoNCERT Pharmaceuticals Inc
Website	http://www.concertpharma.com
Country	US
Number of Drugs in Active Development	5
Number of Inactive Drugs	19
Number of Patents as Owner	147
Number of Patents as Third Party	1
Number of Deals	8
Key Indications	Neuropathic pain,Cancer,Epilepsy,Renal disease,Inflammatory disease,Diabetic nephropathy,HIV infection,Pain,Anxiety disorder,Brain injury,Hypertension,Migraine
Key Target-based Actions	GABA A receptor modulator,NMDA receptor antagonist,Calcium channel inhibitor T-type,GABA B receptor agonist,HIV protease inhibitor,EGFR family tyrosine kinase receptor inhibitor,HIV-1 protease inhibitor,CCR5 chemokine antagonist,CFTR stimulator,GABA A receptor alpha-5 subunit modulator,Opioid receptor sigma agonist 1,Sigma opioid receptor agonist
Key Technologies	Small molecule therapeutic,Oral formulation,Drug combination,Antibiotic,Controlled release formulation,Formulation preservation,Crystalline form,Labeling system,Prodrug,Closed heterocyclic ring synthesis,Condensational synthesis,Reductional synthesis,Stereochemical

COMPANY PROFILE

SUMMARY

CoNCERT Pharmaceuticals Inc is a Boston-based pharmaceutical company which uses chemical methodology, involving an innovative precision deuterium chemistry platform to modify specific properties of validated drug molecules, to create bioavailable drug candidates.

EARLY R&D

By May 2009, Concert Pharmaceuticals was investigating deuterium analogs of rimonabant and mosapride.

By January 2008, the company was researching an HER2/EGFR inhibitor, an antiviral, a cytokine inhibitor and a number of antibiotics, for deuteration. By June 2008, CoNCERT was also researching a protease inhibitor for the potential treatment of HIV, an antifibrotic agent, an NMDA antagonist/ sigma agonist for the potential treatment of neuropathic pain, an antibacterial for the potential treatment of MRSA, an antipsychotic for the potential treatment for schizophrenia, a PDE-5 inhibitor for the potential treatment pulmonary arterial hypertension and benign prostate hyperplasia, a calcium modulator for the potential treatment of hyperparathyroidism, an EGFR inhibitor for the potential treatment of tumors and a CCR5 antagonist for the potential treatment of HIV.

FINANCIAL

In February 2014, CoNCERT priced an initial public offering of 6 million shares of its common stock at a price of \$14 each. The underwriters were granted a 30-day option to purchase up to an additional 0.9 million shares of common stock at the same price to cover over-allotments. The shares began trading on the NASDAQ Global Market under the ticker symbol 'CNCE'. At that time, the offering was expected to close on February 19, 2014.

In April 2008, CoNCERT Pharmaceuticals raised \$37 million in a series C financing round. The company planned to use the funds to advance its deuterium chemistry platform and product pipeline.

In November 2006, CoNCERT raised \$48.5 million in series B financing.

In July 2006, CoNCERT raised \$10 million from a series A venture capital financing.

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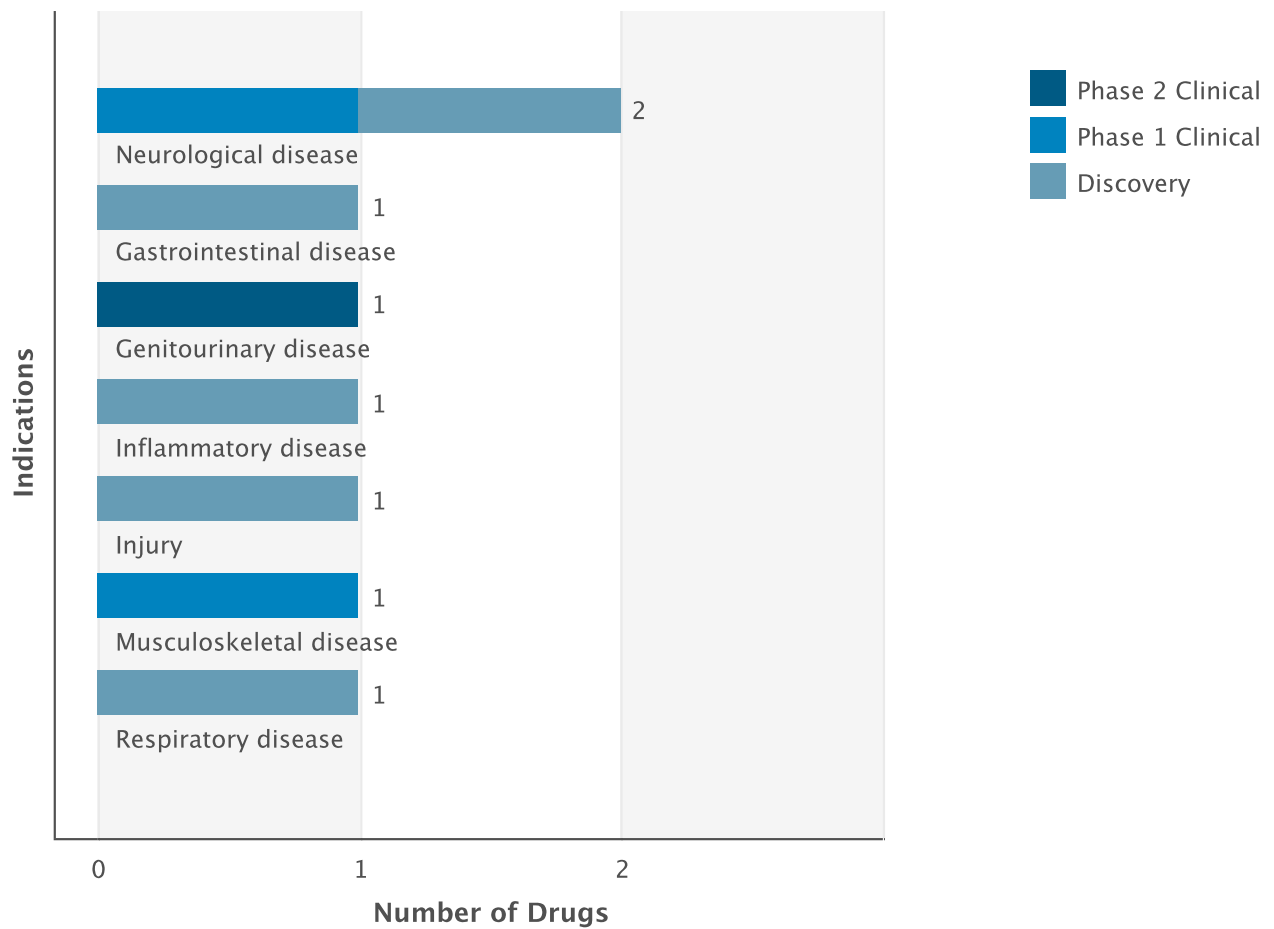


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



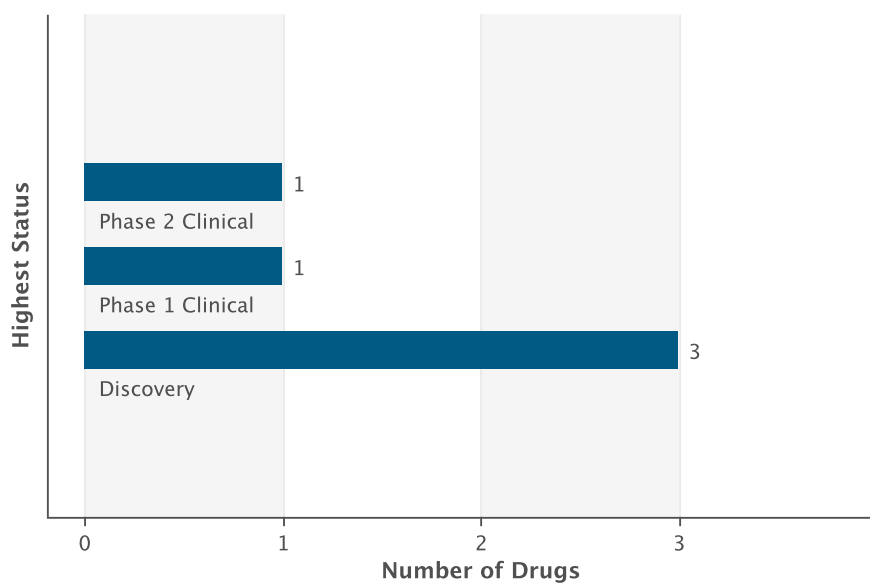
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Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	2	5	7
Infectious disease	0	6	6
Cardiovascular disease	0	5	5
Inflammatory disease	1	3	4
Neoplasm	0	4	4
Musculoskeletal disease	1	2	3
Psychiatric disorder	0	3	3
Immune disorder	0	2	2
Gastrointestinal disease	1	1	2
Genitourinary disease	1	1	2
Respiratory disease	1	1	2
Hematological disease	0	1	1
Injury	1	0	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



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Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	1
Phase 1 Clinical	1
Discovery	3
Discontinued	2
No Development Reported	17

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1
Drug - CRADA	1	0	0	0	1
Drug - Screening/Evaluation	1	0	1	0	2
Drug - Development/Commercialization License	4	0	0	0	4

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Genitourinary disease	0	3
Infectious disease	0	1
Cardiovascular disease	0	1
Psychiatric disorder	0	1

Trials by Phase

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

PATENTS *

Indication	As Owner	As Third Party	Total
Cardiovascular disease	60	0	60
Endocrine disease	41	0	41
Gastrointestinal disease	64	0	64
Genitourinary disease	63	0	63
Growth disorder	11	0	11
Hematological disease	28	0	28
Degeneration	14	0	14
Andrology	22	0	22
Immune disorder	52	0	52
Psychiatric disorder	32	0	32
Musculoskeletal disease	27	0	27
Neoplasm	46	0	46
Ocular disease	15	0	15
Genetic disorder	19	0	19
Metabolic disorder	36	0	36
Neurological disease	73	0	73
Nutritional disorder	15	0	15
Respiratory disease	30	0	30
Infectious disease	39	0	39
Injury	6	0	6
Toxicity and intoxication	9	0	9
Inflammatory disease	46	0	46
Fatigue	2	0	2

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Otorhinolaryngological disease	3	0	3
Gynecology and obstetrics	23	0	23
Dermatological disease	29	0	29
Ulcer	5	0	5

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PRODUCT PORTFOLIO DRUGS

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

CTP-499

Drug Name	CTP-499
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	GlaxoSmithKline plc, CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Renal disease
Target-based Actions	
Other Actions	Anti-inflammatory, Antioxidant agent, Fibrosuppressant, Renal system agent
Technologies	Oral formulation, Controlled release formulation, Small molecule therapeutic
Last Change Date	31-Jan-2014

CTP-354

Drug Name	CTP-354
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Muscle hypertonia, Neuropathic pain
Target-based Actions	GABA A receptor modulator
Other Actions	Analgesic, Anxiolytic
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	11-Jun-2013

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C-10068

Drug Name	C-10068
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	Walter Reed Army Institute of Research, CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Brain injury, Neuropathic pain, Epilepsy
Target-based Actions	Opioid receptor sigma agonist 1
Other Actions	Analgesic, Antidepressant, Anticonvulsant agent, Neuroprotectant
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	31-Jan-2014

deuterated ivacaftor analogs (cystic fibrosis/COPD), Concert Pharmaceuticals

Drug Name	deuterated ivacaftor analogs (cystic fibrosis/COPD), Concert Pharmaceuticals
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cystic fibrosis, Chronic obstructive pulmonary disease
Target-based Actions	CFTR stimulator
Other Actions	
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	16-Nov-2013

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CTP-730

Drug Name	CTP-730
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc, Celgene Corp
Inactive Companies	
Highest Status	Discovery
Active Indications	Inflammatory disease
Target-based Actions	
Other Actions	Anti-inflammatory, Anticancer, Unspecified drug target
Technologies	Small molecule therapeutic
Last Change Date	30-Jan-2014

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