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CoNCERT Pharmaceuticals Inc

COMPANY AND PIPELINE OVERVIEW REPORT

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

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ABOUT COMPANY AND PIPELINE OVERVIEW REPORT

Thomson Reuters provides the knowledge, tools, and expertise to help support drug discovery and development activities, IP portfolio optimization, identification of licensing and partnering opportunities, delivery of successful regulatory submissions, and the ability to keep current with the rapidly-changing pharmaceutical and chemical markets, supporting informed, early decisions.

This report was created by Thomson Reuters, using information from *Thomson Reuters Cortellis™ for Competitive Intelligence*; a comprehensive, proven intelligence solution that leverages the most accurate, complete, and widely respected drug pipeline information.From drug discovery and development activities to patent reports, the latest deals, and partnering opportunities, *Cortellis* can provide the confidence to make the most informed business decisions, faster. *Cortellis for Competitive Intelligence* provides accurateand validated information on pharmaceutical and biotechnology companies globally, their drug pipelines, deals, patents, and clinical trials, plus breaking industry news and conference coverage. All contained in one simple, highly intuitive research platform.

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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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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	9
Number of Inactive Drugs	13
Number of Patents as Owner	133
Number of Patents as Third Party	1
Number of Deals	7
Key Indications	Neuropathic pain,HIV infection,Cancer,Renal disease,Epilepsy,Depression,Brain injury,Cardiovascular
Key Target-based Actions	NMDA receptor antagonist,GABA A receptor modulator,HIV protease inhibitor,EGFR family tyrosine kinase receptor inhibitor,GABA B receptor agonist,Calcium channel inhibitor T-type,HIV-1 protease inhibitor,CCR5 chemokine antagonist,GABA A receptor alpha-5 subunit modulator,Opioid receptor sigma agonist 1,PDE 3 inhibitor
Key Technologies	Small molecule therapeutic,Oral formulation,Drug combination,Antibiotic,Controlled release formulation,Systemic formulation unspecified,Formulation preservation,Prodrug,Labeling system,Chemical isolation,Closed heterocyclic ring synthesis,Condensational synthesis,Crystalline form,Electrophilic substitutional synthesis,Hydrolytic synthesis,Labeling synthesis,Open heterocyclic ring synthesis,PEGylated formulation,Peptide,Reductional synthesis,Stereochemical synthesis

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 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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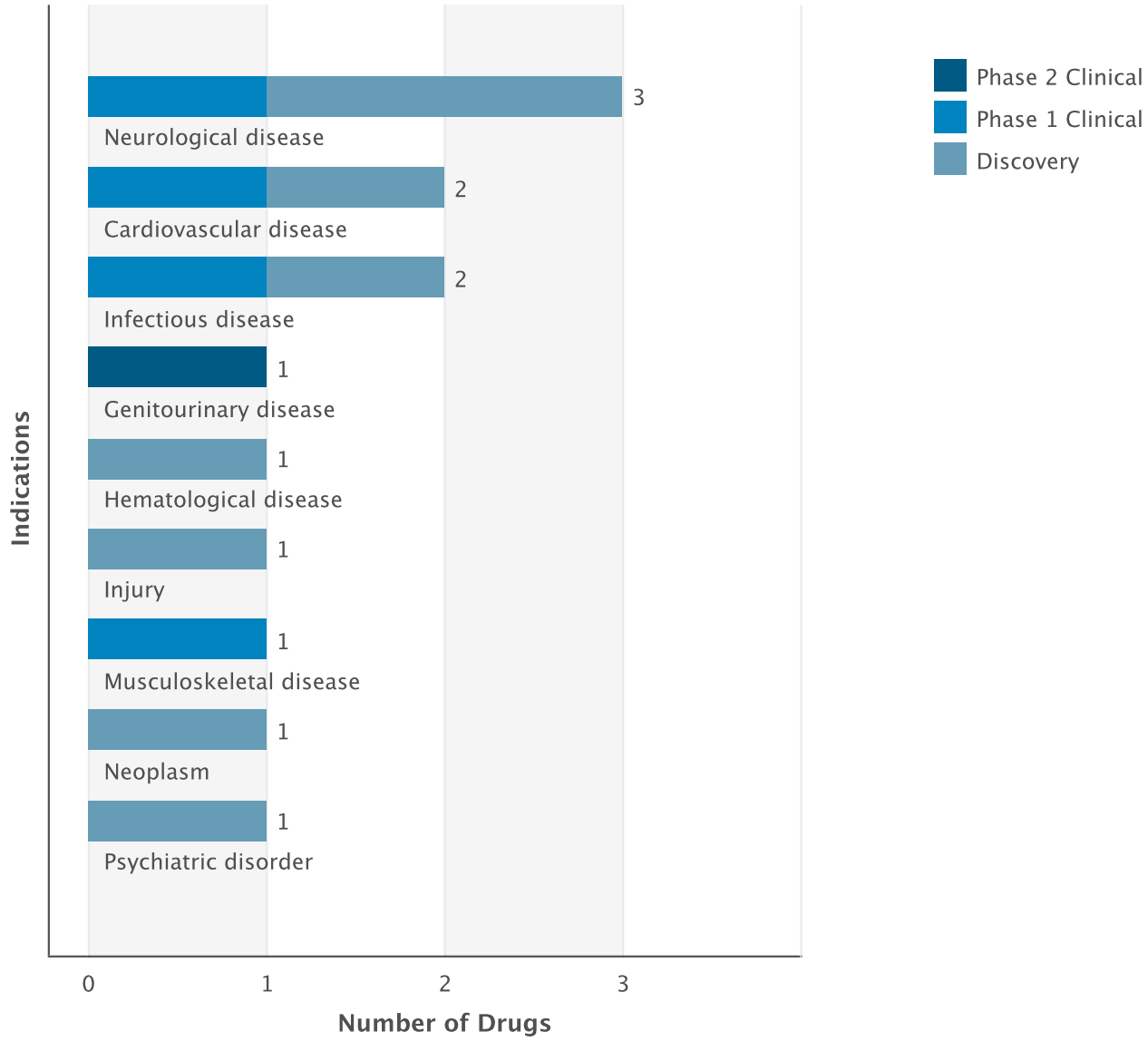
PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	3	4	7
Infectious disease	2	4	6
Cardiovascular disease	2	3	5

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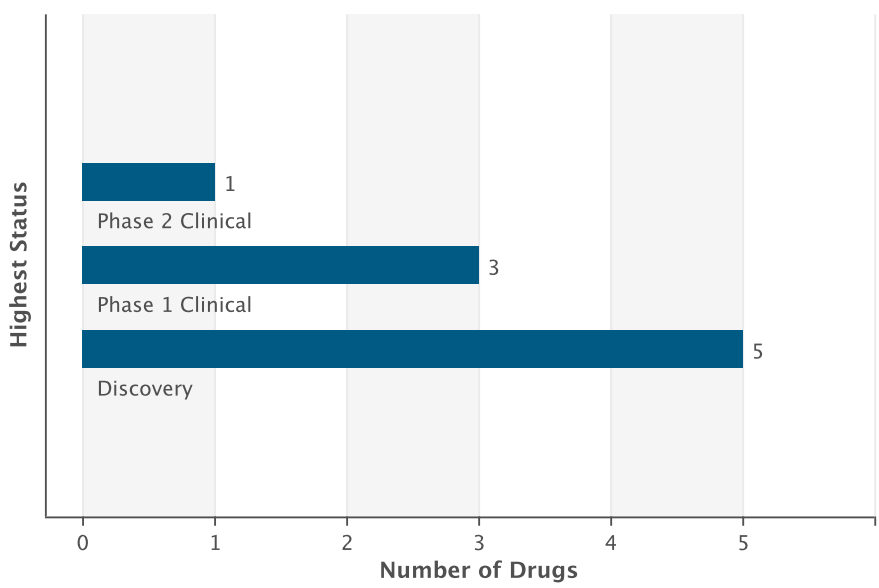
Inflammatory disease	0	3	3
Psychiatric disorder	1	2	3
Musculoskeletal disease	1	2	3
Neoplasm	1	2	3
Immune disorder	0	2	2
Genitourinary disease	1	1	2
Injury	1	0	1
Hematological disease	1	0	1
Respiratory disease	0	1	1
Gastrointestinal disease	0	1	1

Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	1
Phase 1 Clinical	3
Discovery	5
Discontinued	2

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No Development Reported	11

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	1	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	1	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
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

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PATENTS *

Indication	As Owner	As Third Party	Total
Cardiovascular disease	57	0	57
Endocrine disease	38	0	38
Gastrointestinal disease	57	0	57
Genitourinary disease	54	0	54
Growth disorder	10	0	10
Hematological disease	20	0	20
Degeneration	13	0	13
Andrology	20	0	20
Immune disorder	44	0	44
Psychiatric disorder	32	0	32
Musculoskeletal disease	25	0	25
Neoplasm	40	0	40
Ocular disease	15	0	15
Genetic disorder	18	0	18
Metabolic disorder	35	0	35
Neurological disease	70	0	70
Nutritional disorder	13	0	13
Respiratory disease	27	0	27
Infectious disease	38	0	38
Injury	6	0	6
Toxicity and intoxication	9	0	9
Inflammatory disease	43	0	43
Fatigue	2	0	2
Otorhinolaryngological disease	2	0	2
Gynecology and obstetrics	21	0	21

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Dermatological disease	27	0	27
Ulcer	5	0	5

* 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

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	Antioxidant agent, Fibrosuppressant, Anti-inflammatory, Renal system agent
Technologies	Oral formulation, Controlled release formulation, Small molecule therapeutic
Last Change Date	15-Mar-2013

CTP-347

Drug Name	CTP-347
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Hot flashes
Target-based Actions	
Other Actions	5-HT uptake inhibitor
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	15-Mar-2013

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CTP-298

Drug Name	CTP-298
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	GlaxoSmithKline plc, CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	HIV infection
Target-based Actions	HIV protease inhibitor
Other Actions	Antiviral
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	07-Sep-2012

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, Depression
Target-based Actions	Opioid receptor sigma agonist 1
Other Actions	Analgesic, Antidepressant, Neuroprotectant, Anticonvulsant agent
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	14-Mar-2013

deuterated praziquantel analogs (schistosomiasis), CoNCERT Pharmaceuticals

Drug Name	deuterated praziquantel analogs (schistosomiasis), CoNCERT Pharmaceuticals
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	Therapeutics for Rare and Neglected Diseases, CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Schistosomiasis
Target-based Actions	
Other Actions	Antiparasitic, Unspecified drug target
Technologies	Small molecule therapeutic
Last Change Date	15-Feb-2013

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deuterated GABAA receptor inverse agonists (cognition enhancement), CoNCERT

Drug Name	deuterated GABAA receptor inverse agonists (cognition enhancement), CoNCERT
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cognitive disorder
Target-based Actions	GABA A receptor alpha-5 subunit modulator
Other Actions	Nootropic agent, GABA A receptor inverse agonist
Technologies	Small molecule therapeutic
Last Change Date	25-Nov-2011

CTP-221

Drug Name	CTP-221
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Hematological neoplasm, Myelodysplastic syndrome
Target-based Actions	
Other Actions	Unspecified drug target, Anticancer, Immunomodulator
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	29-Apr-2013

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deuterated mibefradil analogs (cardiovascular disease), CoNCERT

Drug Name	deuterated mibefradil analogs (cardiovascular disease), CoNCERT
Key Synonyms	
Originator Company	CoNCERT Pharmaceuticals Inc
Active Companies	CoNCERT Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Cardiovascular disease
Target-based Actions	Calcium channel inhibitor T-type
Other Actions	Antihypertensive, Class IV antiarrhythmic agent
Technologies	Small molecule therapeutic
Last Change Date	26-Oct-2012

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