

Marinus Pharmaceuticals Inc

COMPANY AND PIPELINE OVERVIEW REPORT

A comprehensive coverage of the company and a summary of the drug pipeline portfolio.

Publication Date: 26-Apr-2015

THOMSON REUTERS

3 Times Square
New York, New York 10036
United States

Tel: +1 646 223 4000

thomsonreuters.com

[Return to Table of Contents](#)



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 accurate and 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.

Cortellis Company and Pipeline Overview reports are the first in a series of reports that track pharmaceutical and biotechnology companies worldwide. Further report offerings planned to follow include: Company Detailed Pipeline and Company Competitive Landscape reports. All *Cortellis for Competitive Intelligence* content is subject to the most comprehensive editorial review process available, conducted by scientists, pharma professionals, regulatory experts, and generics specialists. Featuring timely drug pipeline information expertly uncovered and integrated from a significant number of global meetings each year, you'll always be on top of the latest developments.

Chosen by leading life sciences companies, their executives and investors, *Cortellis for Competitive Intelligence* accelerates your deal-making and gives you timely insights on the development landscape.

Discover undiscovered opportunities in drug development and licensing faster with *Thomson Reuters Cortellis™ for Competitive Intelligence*

DISCLAIMER

The information contained in this report is based on sources believed to be correct but Thomson Reuters does not guarantee the accuracy, timeliness, or completeness of this information. Opinions, if any, are those held by the author of any individual report or article at the time of initial publication and do not necessarily reflect the views of Thomson Reuters.

Information in this report on companies is intended for reference use only, and does not constitute a recommendation to buy or sell any particular security or other investment and does not constitute an offer to buy from or sell to any particular investor. Any company or securities mentioned in this report may not be suitable for any particular investor, depending on that investor's financial position and needs.

[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](#)



PLEASE NOTE: the financials section where present in the report includes: Share Information, Stock Performance chart (including the consensus recommendation), and Major Shareholders. Financial Performance presents graphical and tabular data on Worldwide Sales, Operating Income and Net Income over time, together with a Quarterly earnings update. Balance Sheet lists Assets, Liabilities and Stockholders Equity, and Forecasts includes: EPS Forecast and Other Forecasts. The data reported in all sections (except share information and major stock holders) are correct as of the publication date of the report (and not the download date). For share information and major stock holders the data is correct for the date shown with these sections

[Return to Table of Contents](#)



TABLE OF CONTENTS

Company Overview..... 7

Company Profile..... 7

Company Financials..... 7

Product Portfolio Summary..... 12

Product Portfolio Drugs..... 15

[Return to Table of Contents](#)

Marinus Pharmaceuticals Inc

COMPANY OVERVIEW

Company Name	Marinus Pharmaceuticals Inc
Parent Company Name	Marinus Pharmaceuticals Inc
Website	http://www.marinuspharma.com/
Country	US
Number of Drugs in Active Development	3
Number of Inactive Drugs	1
Number of Patents as Owner	7
Number of Patents as Third Party	2
Number of Deals	7
Key Indications	Central nervous system disease,Epilepsy,Fragile X syndrome,Post traumatic stress disorder,Cancer,Allergic rhinitis,Attention deficit hyperactivity disorder,Bipolar disorder,Brain injury,Inflammatory disease,Nasal polyps,Schizophrenia,Seasonal allergic rhinitis
Key Target-based Actions	GABA A receptor agonist,AKT1 protein kinase modulator,Alpha 1 antichymotrypsin modulator,Angiotensinogen ligand modulator,Clusterin modulator,Contactin 1 modulator,Contactin 2 modulator,Dickkopf-3 ligand modulator,ErbB2 tyrosine kinase receptor modulator,Extracellular signal related kinase-1 modulator,Extracellular signal related kinase-4 modulator,MAP kinase modulator,Monocyte differentiation antigen CD14 modulator,Neuronal cell adhesion molecule modulator,Protein kinase C inhibitor,Serum amyloid P modulator,Topoisomerase I inhibitor,Topoisomerase II inhibitor,VEGF receptor modulator
Key Technologies	Small molecule therapeutic,Steroid,Oral formulation,Capsule formulation,Intravenous formulation,Nanoparticle formulation oral,Oral liquid formulation,Oral suspension formulation,Fluorescence,Formulation preservation,Nucleophilic substitutional synthesis,Stereochemical synthesis,Steroid synthesis

COMPANY PROFILE

SUMMARY

Marinus Pharmaceuticals focuses on the identification, development and commercialization of drugs to treat serious neurological, psychiatric and pain disorders.

FINANCIAL

In July 2014, Marinus priced its IPO of 5,625,000 shares at \$8 per share. Underwriters were granted a 30-day overallotment option to buy an additional 843,750 shares. The IPO was expected to close on August 05, 2014. In September 2014, the underwriters exercised their option to purchase an additional 133,000 shares at a price of \$8 each, which bought the total shares issued by the company in the offering to 5,758,000. Net proceeds were approximately \$41.3 million.

In January 2013, Marinus raised \$21 million from a series C financing.

In April 2009, Marinus raised \$20 million from a series B financing round.

In October 2005, Marinus raised \$29.4 million in a series A financing.

[Return to Table of Contents](#)



COMPANY FINANCIALS

SHARE INFORMATION

Close Price (USD)	9.00
Change (USD)	-0.04 (-0.44%)
Previous Close Price (USD)	9.04
Volume	81,896
52-Week High (USD)	16.60
52-Week Low (USD)	4.00
Date	24-Apr-2015
Exchange	NASDAQ(COMPOSITE)
Current Number of Shares Outstanding	14,007,754
Current Market Capitalization	127,796,994
EPS (Date Reported)	-2.17434

STOCK PERFORMANCE



MAJOR SHAREHOLDERS

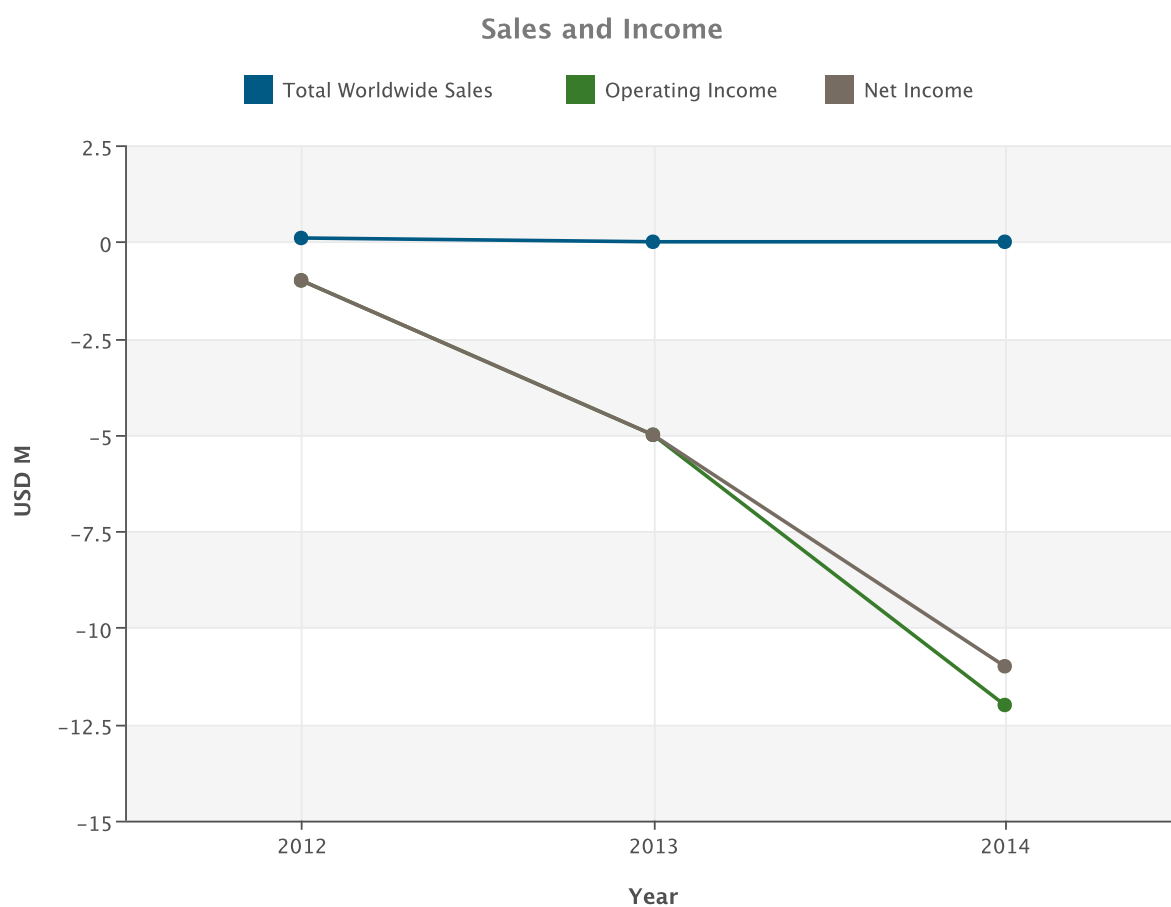
[Return to Table of Contents](#)

Shareholder	Type	Country	Shares held	% of shares held	Change in holding	% changes in shares held	Date
Domain Associates, L.L.C.	Venture Capital	United States	2,536,436	17.86	59,550	0.02	04-Mar-2015
Canaan Partners	Venture Capital	United States	2,461,399	17.33	0	0	31-Mar-2015
Sofinnova Ventures, Inc.	Venture Capital	United States	2,125,849	14.97	1,375,166	1.83	04-Mar-2015
RusnanoMedInvest	Corporation	Russian Federation	1,597,060	11.25	1,597,060	1	04-Mar-2015
Franklin Templeton Invest-Biotechnology Discovery	Mutual Fund	United States	815,100	5.74	-83,800	-0.09	31-Jan-2015
AST Small-Cap Growth Portfolio	Mutual Fund	United States	56,650	0.4	0	0	28-Feb-2015
Cashman Christopher Michael	Individual Investor	United States	60,244	0.42	60,244	1	06-Mar-2015
Principal SmallCap Growth Fund I	Mutual Fund	United States	50,703	0.36	0	0	31-Mar-2015
Forward Growth Fund	Mutual Fund	United States	39,110	0.28	0	0	28-Feb-2015
Target Portfolio Trust-Small Capitalization Growth	Mutual Fund	United States	9,250	0.07	0	0	28-Feb-2015
Principal Var. Contract SmallCap Growth Account II	Mutual Fund	United States	7,190	0.05	0	0	28-Feb-2015
Geode Capital Management, L.L.C.	Investment Advisor/Hedge Fund	United States	8,604	0.06	6,171	2.54	31-Mar-2015
Fidelity Spartan Extended Market Index Fund	Mutual Fund	United States	6,018	0.04	3,585	1.47	28-Feb-2015
The Vanguard Group, Inc.	Investment Advisor	United States	7,200	0.05	4,900	2.13	31-Mar-2015
Vanguard Total Stock Market Index Fund	Mutual Fund	United States	4,600	0.03	2,800	1.56	31-Mar-2015
Fidelity Spartan Total Market Index Fund	Mutual Fund	United States	2,586	0.02	2,586	1	28-Feb-2015
Vanguard Extended Market Index Fund	Mutual Fund	United States	1,800	0.01	1,300	2.6	28-Feb-2015

[Return to Table of Contents](#)

AXA/Lord Abbett Micro Cap Portfolio	Mutual Fund	United States	986	0.01	89	0.1	28-Feb-2015
Vanguard US Equity Index Fund	Mutual Fund	United States	800	0.01	800	1	28-Feb-2015
Guggenheim Investments	Investment Advisor/Hedge Fund	United States	967	0.01	967	1	31-Mar-2015

FINANCIAL PERFORMANCE



	2012	2013	2014		
Sales (USD M)	0.1	0	0		
Operating Income (USD M)	-1.430655	-5.378802	-11.92		
Net Income (USD M)	-1.408545	-5.269855	-10.833		

[Return to Table of Contents](#)

Quarterly earnings update

Period	Sales (USD M)	Operating Income (USD M)	Net Income (USD M)
2014 Q4	0	-3.554725	-3.606618
2014 Q3	0	-2.437041	-2.040711
2014 Q2	0	-3.263019	-4.424683
2014 Q1	0	-2.665216	-3.305988
2013 Q3	0	-1.32189	-2.252776
2013 Q2	0	-1.640799	-2.621721
2013 Q1	0	-0.927402	-1.755604

BALANCE SHEET

Assets (USD M)

	2012	2013	2014		
Cash & Short Term Investments	8.633775	10.037123	49.72		
Inventories - Total	0	0	0		
Current Assets - Total	8.665036	11.798502	50.148		
Property, Plant And Equipment - Net	0.008734	0.016063	0.044		
Other Assets - Total	0.00833	0.00938	0.021		
Total Assets	8.6821	11.823945	50.213		

Liabilities (USD M)

	2012	2013	2014		
Accounts Payable	0.115065	0.077782	0.536		
Short Term Debt & Current Portion Of Long Term Debt	2.670521	0	0		
Current Liabilities - Total	4.499942	2.36577	2.039		
Long Term Debt	0	0	7		
Other Liabilities	0	0	0.02		
Total Liabilities	4.499942	2.36577	9.059		

[Return to Table of Contents](#)



Stockholders Equity (USD M)

	2012	2013	2014		
Minority Interest	0	0	0		
Preferred Stock	59.548852	69.840206	0		
Common Stock	0.000479	0.000494	0.014		
Treasury Stock	0.00019	0.00019			
Total Liabilities & Shareholders' Equity	8.6821	11.823945	50.213		

FORECASTS

EPS Forecast

Year ending	Current Forecast	1 month ago	3 months ago
31-Dec-2015	-1.87	-1.87	-1.82
31-Dec-2016	-1.35	-1.35	-1.37
31-Dec-2017	-1.2	-1.2	-1.25

Other Forecasts

Year ending	DPS	CPS	Pretax	Sales
31-Dec-2015			-27.13	0
31-Dec-2016			-29.07	0
31-Dec-2017			-28.18	0

[Return to Table of Contents](#)

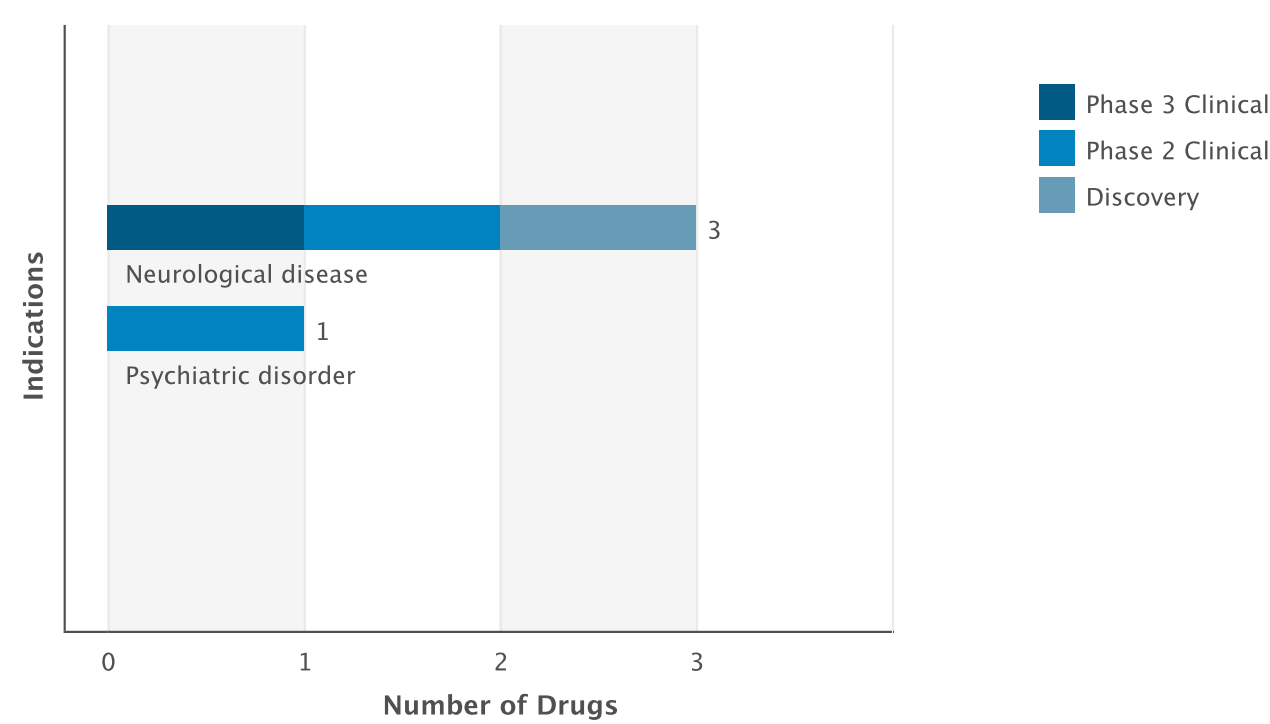


PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



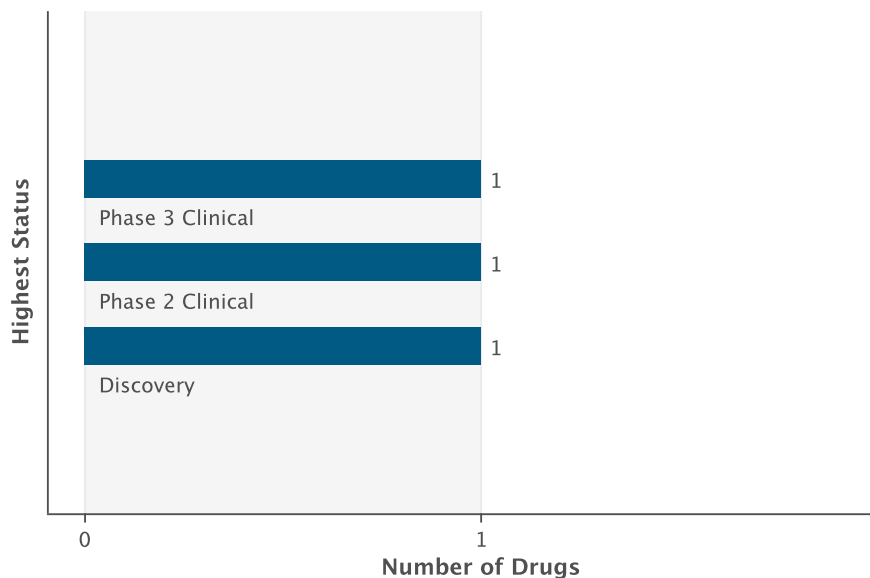
Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	3	0	3
Psychiatric disorder	1	1	2
Genetic disorder	0	1	1

[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
No Development Reported	1

DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1
Drug - Early Research/Development	0	0	1	0	1
Drug - Development/Commercialization License	1	0	1	0	2
Drug - Development Services	0	0	2	0	2
Technology - Delivery/Formulation	0	0	1	0	1

[Return to Table of Contents](#)

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Neurological disease	2	8
Psychiatric disorder	1	2

Trials by Phase

Phase	Ongoing	All
Phase 2	3	10

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
Immune disorder	1	0	1
Psychiatric disorder	2	0	2
Musculoskeletal disease	1	0	1
Neoplasm	2	1	3
Genetic disorder	1	0	1
Neurological disease	4	1	5
Respiratory disease	1	0	1
Infectious disease	2	0	2
Injury	0	1	1
Inflammatory disease	2	0	2
Otorhinolaryngological 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.

[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

ganaxolone (oral capsule/nanoparticle, PTSD/CNS disorders), Marinus/NovaMedica

Drug Name	ganaxolone (oral capsule/nanoparticle, PTSD/CNS disorders), Marinus/NovaMedica
Key Synonyms	ganaxolone
Originator Company	Marinus Pharmaceuticals Inc
Active Companies	Marinus Pharmaceuticals Inc, NovaMedica
Inactive Companies	
Highest Status	Phase 3 Clinical
Active Indications	Post traumatic stress disorder, Epilepsy, Central nervous system disease
Target-based Actions	GABA A receptor agonist
Other Actions	Anticonvulsant agent, CNS modulator
Technologies	Oral formulation, Capsule formulation, Nanoparticle formulation oral, Small molecule therapeutic, Steroid
Last Change Date	30-Mar-2015

ganaxolone (oral liquid suspension, epilepsy/fragile X syndrome), Marinus/NovaMedica

Drug Name	ganaxolone (oral liquid suspension, epilepsy/fragile X syndrome), Marinus/NovaMedica
Key Synonyms	ganaxolone
Originator Company	Marinus Pharmaceuticals Inc
Active Companies	Marinus Pharmaceuticals Inc, NovaMedica
Inactive Companies	
Highest Status	Phase 2 Clinical
Active Indications	Fragile X syndrome, Epilepsy, Central nervous system disease
Target-based Actions	GABA A receptor agonist
Other Actions	CNS modulator, Anticonvulsant agent
Technologies	Oral formulation, Oral liquid formulation, Oral suspension formulation, Small molecule therapeutic, Steroid
Last Change Date	30-Mar-2015

[Return to Table of Contents](#)



ganaxolone (intravenous/Captisol, central nervous system diseases), Marinus

Drug Name	ganaxolone (intravenous/Captisol, central nervous system diseases), Marinus
Key Synonyms	ganaxolone
Originator Company	Marinus Pharmaceuticals Inc
Active Companies	Marinus Pharmaceuticals Inc
Inactive Companies	
Highest Status	Discovery
Active Indications	Central nervous system disease
Target-based Actions	GABA A receptor agonist
Other Actions	CNS modulator
Technologies	Intravenous formulation, Small molecule therapeutic, Steroid
Last Change Date	26-Mar-2015

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.

For more information about *Cortellis for Competitive Intelligence*, visit:

http://cortellis.thomsonreuters.com/cortellis_for_you/?cid=thomsonone.

For subscription information, e-mail scientific.lifesciences@thomsonreuters.com.

© 2012 Thomson Reuters. All rights reserved.
Republication or redistribution of Thomson Reuters content, including by framing or similar means, is prohibited without the prior written consent of Thomson Reuters. 'Thomson Reuters' and the Thomson Reuters logo are registered trademarks and trademarks of Thomson Reuters and its affiliated companies.

[Return to Table of Contents](#)