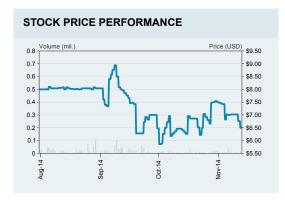


Marinus Pharmaceuticals, Inc. (MRNS)

3Q14 Earnings Update: Clinical Progress on Track

MARKET DATA	
Price 52-Week Range: Shares Out. (M): Market Cap (\$M): Average Daily Vol. (000): Cash (M): Cash/Share:	\$6.52 \$4.00 - \$10.58 13.8 \$90.0 13.0 \$47 \$3.36
Enterprise Value (M):	\$44
LT Debt (M): Source: Thomson Reuters and JMP Securities LLC	\$0

FY DEC		2013A	2014E	2015E		
Revenue (\$M)	1Q		\$0.0A			
:	2Q		\$0.0A			
;	3Q		\$0.0A			
4	4Q		\$0.0			
ļ	FY	\$0.0	\$0.0	\$0.0		
EPS	1Q		(\$7.40)A	-		
:	2Q		(\$7.98)A			
;	3Q		(\$0.22)A			
4	4Q		(\$0.36)			
ļ	FY	(\$19.60)	(\$2.41)	(\$2.06)		
Previous	Previous FY		(\$2.39)	(\$1.99)		
Source: Company reports and JMP Securities LLC						



MARKET OUTPERFORM | Price: \$6.52 | Target Price: \$14.00

INVESTMENT HIGHLIGHTS

Ganaxolone development on track with multiple key clinical catalysts anticipated throughout 2015; reiterating our Market Outperform rating and \$14 price target on Marinus Pharmaceuticals. Marinus reported 3Q14 earnings results ahead of our and consensus estimates due to lower than expected operating expenses. The company ended the quarter with \$47M in cash and cash equivalents and guided that it expects this to be sufficient to fund operations into 2016. Marinus is continuing to advance development of ganaxolone in multiple indications including the Phase 3 trial in adults with focal onset epileptic seizures (results in 2H15) and Phase 2 trials in PCDH19 epilepsy patients and Fragile X Syndrome (results from both still on track to read out by mid-2015). Our \$14 price target is derived through an NPV analysis of U.S. ganaxolone sales in the adult partial onset seizure indication.

Phase 3 trial in focal onset epileptic seizures progressing in line with expectations. Marinus is enrolling patients in its Phase 3 trial evaluating ganaxolone in adults with treatment-resistant focal onset epileptic seizures. The trial is designed with a target enrollment of 300 patients and currently the company is expanding the number of clinical sites internationally, including in the U.S., Australia, Bulgaria, Germany, Poland and Russia. Results are anticipated in 2H15 and we continue to view the probability of success as favorable based on positive and statistically significant results from the prior Phase 2 trial.

Phase 2 data in PCDH19 epilepsy on track for 1H15. In the near term, the company plans to initiate a Phase 2 proof-of-concept, open-label clinical trial of ganaxolone in ~10 female pediatric epilepsy patients with the PCDH19 mutation. Results are expected in 1H15. We note that this indication represents possible upside to our estimates and valuation.

Phase 2 data in FXS expected in mid-2015. The Phase 2 proof-of-concept trial evaluating ganaxolone for the treatment of patients with Fragile X Syndrome (FXS) is continuing to enroll patients. Results from the trial are expected by mid-2015 and this indication also represents possible upside to our estimates and valuation.

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3Q14 FINANCIAL SUMMARY

Marinus reported a 3Q14 net income loss of (\$2.0M), above our estimate of (\$5.5M) and consensus of (\$5.6M), due to lower than expected operating expenses. The company did not report revenue, as expected. Total operating expenses were \$2.4M, below our estimate of \$5.5M, driven by lower than expected R&D and SG&A costs. R&D expenses were \$1.6M vs. our estimate of \$3.6M, and SG&A expenses were \$0.9M compared to our estimate of \$1.8M. The company had cash and cash equivalents of \$47.1M as of September 30, 2014.

We have revised our model to include 3Q14 financial results and updated guidance, as summarized in Figure 1.

FIGURE 1. 3Q14 Earnings Summary and Changes to Our Model

MRNS	3Q14			2014 est			2015 est		
(\$MM)	JMP old	Cons	Actual	JMP old	Cons	JMP new	JMP old	Cons	JMP new
Revenue	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total operating expense	5.5		2.4	17.2		13.4	32.4		29.6
R&D	3.6		1.6	13.0		10.0	26.0		22.4
SG&A	1.8		0.9	4.3		3.4	6.4		7.2
Net income (loss)	(5.5)	(5.6)	(2.0)	(19.1)	(17.8)	(14.8)	(32.4)	(28.4)	(29.6)
Shares outstanding	13.8		9.4	7.2		6.1	14.3		14.4
EPS (diluted)	(\$0.40)	(\$0.45)	(\$0.22)	(\$2.64)	(\$2.47)	(\$2.41)	(\$2.26)	(\$2.03)	(\$2.06)

Source: JMP Securities LLC and Company Reports



Company Description

Marinus Pharmaceuticals is a clinical-stage biopharmaceutical company focused on developing and commercializing innovative neuropsychiatric therapeutics. The company's lead drug candidate is ganaxolone, an oral, small molecule synthetic analog of the neurosteroid allopregnanolone. The lead development indication for ganaxolone is an adjunctive therapy for the treatment of partial, (focal) onset seizures in adults with epilepsy. The company has completed a Phase 2 trial in the refractory treatment setting, and is currently conducting a Phase 2b trial. We believe positive Phase 2b results, together with a confirmatory Phase 3 trial, could support regulatory approvals in the U.S. and Europe. Marinus is also developing ganaxolone for additional indications, including an orphan pediatric epilepsy population and Fragile X syndrome.

Investment Risks

Clinical risk. We note that results from early trials cannot always be replicated, and the drug may fail to produce positive data in later trials. There may be dosing, efficacy, or safety issues related to product candidates undergoing clinical trials that could preclude continued development. In addition, there may be manufacturing issues, including challenges with the scale-up to commercial quantities. Any of these issues could pose a risk to clinical development success.

Regulatory risk. The company's potential regulatory filing for its NDA may not receive approval from the FDA or ex-U.S. agencies. The FDA may request further studies, in which case the approval pathway will likely take longer, and cost significantly more.

Market risk. Market estimates of patients, or patients eligible for ganaxolone treatment, may be overestimated. Furthermore, new drugs entering the market could provide greater competition for the product candidate. This would impact the ability to reach revenue and profitability projections. In addition, the company must retain its intellectual property rights. Other companies may file patent applications or may receive patents that claim the same methods or formulations. Generic competition would affect operations and potential business prospects.

Financial risk. Marinus has incurred losses each year since inception due to research and development expenses for the ganaxolone preclinical and clinical programs. These expenses and losses are expected to continue to incur in the near future. It has not generated revenue to date from sales, and if there are any issues preventing the successful commercialization of products, the company may not reach profitability. We believe the company's cash runway will last ~24 months, into mid-2016. We anticipate that Marinus will likely need to raise additional funds to continue future operations. Raising additional funds may cause dilution to Marinus shares or require that it give up rights to product candidates. Any of the aforementioned scenarios may jeopardize the business. Additionally, as usual, the share price is subject to market volatility risk.



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JMP Securities Disclosures:

JMP Securities currently makes a market in the security of Marinus Pharmaceuticals, Inc.

JMP Securities was manager or co-manager of a public offering of securities for Marinus Pharmaceuticals, Inc. (MRNS) in the past 12 months, and received compensation for doing so.

JMP Securities expects to receive OR intends to seek compensation for investment banking services from Marinus Pharmaceuticals, Inc. in the next 3 months.

JMP Securities Investment Opinion Definitions:

Market Outperform (MO): JMP Securities expects the stock price to outperform relevant market indices over the next 12 months.

Market Perform (MP): JMP Securities expects the stock price to perform in line with relevant market indices over the next 12 months.

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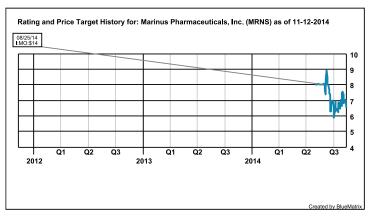
JMP Securities Research Ratings and Investment Banking Services: (as of November 13, 2014)

							# Co's	
							Receiving	
							IB	
		# Co's	%		# Co's	%	Services in	% of Co's
	Regulatory	Under	of	Regulatory	Under	of	Past 12	With This
JMP Rating	Equivalent	Coverage	Total	Equivalent	Coverage	Total	Months	Rating
MARKET OUTPERFORM	Buy	285	61.03%	Buy	285	61.03%	104	36.49%
MARKET PERFORM	Hold	141	30.19%	Hold	141	30.19%	15	10.64%
MARKET UNDERPERFORM	Sell	2	0.43%	Sell	2	0.43%	0	0%
COVERAGE IN TRANSITION		36	7.71%		36	7.71%	0	0%
TOTAL:		467	100%		467	100%	121	25.91%

Stock Price Chart of Rating and Target Price Changes:

Note: First annotation denotes initiation of coverage or 3 years, whichever is shorter. If no target price is listed, then the target price is N/A. In accordance with NASD Rule 2711, the chart(s) below reflect(s) price range and any changes to the rating or price target as of the end of the most recent calendar quarter. The action reflected in this note is not annotated in the stock price chart. Source: JMP Securities.





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