

Concert Pharmaceuticals, Inc. (CNCE)

CNCE Reports 1Q14 – Pipeline On Track in 2014

MARKET DATA

Price	\$9.70
52-Week Range:	\$7.69 - \$16.26
Shares Out. (M):	17.9
Market Cap (\$M):	\$173.6
Average Daily Vol. (000):	150.0
Cash (M):	\$108
Cash/Share:	\$6.04
Enterprise Value (M):	\$274
Float (M):	16.2
LT Debt (M):	\$9

Source: Thomson Reuters and JMP Securities LLC

MARKET OUTPERFORM | Price: \$9.70 | Target Price: \$28.00

INVESTMENT HIGHLIGHTS

Concert Pharmaceuticals reaffirms development timelines for CTP- 499, CTP-354 and partnered programs; reiterate Market Outperform rating and \$28 price target based on DCF and SOTP valuation methodologies. CNCE reported 1Q14 net loss of \$6.5MM or EPS of (\$0.76), lower than the JMP estimate of (\$0.45), primarily on lower than anticipated weighted average share count. License revenue of \$1.61MM was higher than our estimate of \$0MM. Total operating expense of \$8.13MM was in line with our estimate, comprising \$5.59MM of R&D expense (lower than our estimate of \$6.5MM) and \$2.54MM of SG&A expense (higher than our estimate of \$1.5MM). CNCE finished the quarter with \$108MM in cash, cash equivalents and short-term investments, guiding sufficient cash runway into 2016. A summary of 1Q14 actual results versus JMP estimates is shown in Figure 2. Incremental changes to our model reflecting 1Q14 results are summarized in Figure 3.

Significant upside potential for a deuterated drug company. We recommend the purchase of Concert Pharmaceuticals shares to those investors who have a long-term perspective and a vision toward the kind of company that we believe CNCE can grow into over the course of the next several years. In addition to CTP-499, the company has several in-house and partnered deuterium based agents in clinical trials including: CTP-354, JZP-386, AVP-786 and CTP-730. In our opinion, the company's DCE Platform® has all the requisite ingredients to allow CNCE to become one of the leading developers of unique, deuterated-therapeutic compounds. We reiterate our Market Outperform rating and \$28 price target for CNCE shares based on our DCF and SOTP valuation methodologies.

FY DEC		2013A	2014E	2015E
Revenue (\$M)	1Q	--	\$1.6A	\$0.0
	2Q	\$24.0	\$0.0	\$0.0
	3Q	\$24.0	\$0.0	\$0.0
	4Q	\$1.4	\$0.0	\$1.6
	FY	\$25.4	\$1.6	\$14.0
EPS	1Q	--	(\$0.76)A	--
	2Q	(\$0.01)	(\$0.53)	--
	3Q	(\$0.01)	(\$0.64)	--
	4Q	(\$4.66)	(\$0.70)	--
	FY	(\$4.99)	(\$2.27)	(\$1.81)
Previous FY		NC	(\$2.33)	(\$2.40)

Source: Company reports and JMP Securities LLC

STOCK PRICE PERFORMANCE



FIGURE 1. Upcoming CNCE Milestones

Timing	Drug	Milestones
2H2014	CTP-354	Phase I MAD results
2H2014	CTP-354	Phase II clinical trial in MS and SCI expected to begin
2H2014	CTP-499	Phase II meeting with FDA
2H2014	AVP-786	Phase II trial for treatment of resistant major depressive disorder
2014	JZP-386	First Phase I in-human trial
2014	CTP-730	Clinical trials expected to begin

Source: CNCE company presentations

FIGURE 2. 1Q14 CNCE Results vs. JMP Estimates

Concert Pharmaceuticals (CNCE) Abridged Income Statement (\$ MM)	1Q14 Results		
	JMP Estimate	Actual	Variance (JMP vs. Actual)
Total Revenues	-	1.61	1.6
License revenue	-	1.61	1.6
Milestone revenue	-	-	-
Operating Expenses	8.00	8.13	0.1
Research and development	6.50	5.59	(0.9)
General and administrative	1.50	2.54	1.0
Operating income (loss)	(8.00)	(6.52)	1.5
Other income (expense)	0.00	(0.43)	(0.4)
Pretax income (loss)	(8.00)	(6.95)	1.1
Net income (loss)	(8.00)	(7.01)	1.0
EPS Calculations			
Basic EPS	\$ (0.45)	\$ (0.76)	(0.31)
Diluted EPS	\$ (0.45)	\$ (0.76)	(0.31)
Basic shares outstanding	17.893	9.188	(8.7)
Diluted shares outstanding	17.893	9.188	(8.7)

Source: JMP Securities LLC and Company Reports

FIGURE 3. Changes to Our Model

Concert Pharmaceuticals (CNCE) (\$ MM)	2Q14E		3Q14E		4Q14E		FY 2014E		FY 2015E		FY 2015E	
	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New
License revenue	-	-	-	-	-	-	-	1.6	-	-	-	-
Milestone revenue	-	-	-	-	-	-	-	-	-	14.0	-	2.0
Other												
Total Revenues	-	-	-	-	-	-	-	-	-	-	-	1.6
COGS	-	-	-	-	-	-	-	-	-	-	-	-
Gross Profit	-	-	-	-	-	-	-	1.6	2.0	14.0	2.0	2.0
Operating Expenses	9.5	9.4	11.5	11.5	12.5	12.5	41.5	41.5	51.0	50.8	64.7	64.2
Research and development	7.5	6.8	9.0	8.7	9.5	9.5	32.5	30.6	40.6	38.2	52.8	49.7
General and administrative	2.0	2.6	2.5	2.8	3.0	3.0	9.0	10.9	10.4	12.6	11.9	14.5
Operating income (loss)	(9.5)	(9.4)	(11.5)	(11.5)	(12.5)	(12.5)	(41.5)	(39.9)	(49.0)	(36.8)	(62.7)	(62.2)
Other income (expense)	-	-	-	-	-	-	-	-	-	-	-	-
Interest income	-	-	-	-	-	-	-	-	-	-	-	-
Pretax income	(9.5)	(9.4)	(11.5)	(11.5)	(12.5)	(12.5)	(41.5)	(39.9)	(49.0)	(36.8)	(62.7)	(62.2)
Net income	(9.5)	(9.4)	(11.5)	(11.5)	(12.5)	(12.5)	(41.5)	(40.4)	(49.0)	(36.8)	(62.7)	(62.2)
Basic EPS	(\$0.53)	\$ (0.53)	(\$0.64)	\$ (0.64)	(\$0.70)	\$ (0.70)	(\$2.33)	\$ (2.27)	(\$2.40)	\$ (1.81)	(\$2.74)	\$ (2.72)
Diluted EPS	(\$0.53)	\$ (0.53)	(\$0.64)	\$ (0.64)	(\$0.70)	\$ (0.70)	(\$2.33)	\$ (2.27)	(\$2.40)	\$ (1.81)	(\$2.74)	\$ (2.72)
Basic shares outstanding	17.89	17.89	17.89	17.89	17.89	17.89	17.81	17.81	20.38	20.38	22.87	22.87
Diluted shares outstanding	17.89	17.89	17.89	17.89	17.89	17.89	17.81	17.81	20.38	20.38	22.87	22.87

Source: JMP Securities LLC and Company Reports

FIGURE 4. Income Statement

Income Statement (\$MM)	1A14A	2Q14E	3Q14E	4Q14E	2014E	2015E	2016E	2017E	2018E	2019E	2020E	2021E	2022E
Total Product Sales and Royalties	-	-	-	-	-	-	-	-	29.4	119.1	298.6	546.0	852.3
License and research and development revenue	1.6				1.6								
Milestone Revenue					-	14.0	2.0	8.0	35.0	37.0	43.0	-	-
Total Revenue	1.6	-	-	-	1.6	14.0	2.0	8.0	64.4	156.1	341.6	546.0	852.3
Cost of Goods Sold							-	-	2.2	7.8	17.5	28.2	37.7
Gross Profit	1.6	-	-	-	1.6	14.0	2.0	8.0	62.2	148.4	324.1	517.9	814.5
Operating Expenses:													
Research and Development	5.6	6.8	8.7	9.5	30.6	38.2	49.7	57.2	64.0	69.2	74.7	80.7	87.1
General and administrative	2.5	2.6	2.8	3.0	10.9	12.6	14.5	21.7	27.1	31.2	33.7	36.4	39.3
Total operating expenses	8.1	9.4	11.5	12.5	41.5	50.8	64.2	78.9	91.2	100.3	108.4	117.0	126.4
Operating income (loss)	(6.5)	(9.4)	(11.5)	(12.5)	(39.9)	(36.8)	(62.2)	(70.9)	(28.9)	48.0	215.7	400.8	688.1
Other income (expense):													
Interestment income	0.0												
Interest expense	(0.4)												
Payment to GSK									(2.5)				
Total other income, net	(0.4)	-	-	-	-	-	-	-	-	-	-	-	-
Change in fair value of preferred stock warrant liability													
Foreign currency transaction gain (loss)													
Unrealized loss on investments	(0.0)												
Pretax income (loss)	(7.0)	(9.4)	(11.5)	(12.5)	(40.4)	(36.8)	(62.2)	(70.9)	(28.9)	48.0	215.7	400.8	688.1
Income tax benefit (provision)					-	-	-	-	-	-	(32.4)	(80.2)	(172.0)
Tax Rate											15.0%	20.0%	25.0%
Comprehensive income (loss)	(7.0)	(9.4)	(11.5)	(12.5)	(40.4)	(36.8)	(62.2)	(70.9)	(28.9)	48.0	183.4	320.7	516.1
Accretion of redeemable convertible preferred stock	(0.1)												
Net income (loss) attributable to common stockholders	(7.0)	(9.4)	(11.5)	(12.5)	(40.4)	(36.8)	(62.2)	(70.9)	(28.9)	48.0	183.4	320.7	516.1
Basic EPS to common shareholders	\$ (0.76)	\$ (0.53)	\$ (0.64)	\$ (0.70)	\$ (2.27)	\$ (1.81)	\$ (2.72)	\$ (3.10)	\$ (1.14)	\$ 1.73	\$ 6.59	\$ 10.58	\$ 15.74
Diluted EPS to common shareholders	\$ (0.76)	\$ (0.53)	\$ (0.64)	\$ (0.70)	\$ (2.27)	\$ (1.81)	\$ (2.72)	\$ (3.10)	\$ (1.14)	\$ 1.73	\$ 6.63	\$ 10.63	\$ 15.81
Basic shares outstanding	9.2	17.9	17.9	17.9	17.8	20.4	22.9	22.9	25.3	27.8	27.8	30.3	32.8
Diluted shares outstanding	9.2	17.9	17.9	17.9	17.8	20.4	22.9	22.9	25.3	27.7	27.7	30.2	32.6

Source: JMP Securities LLC and Company Reports

Company Description

Concert Pharmaceuticals is a clinical stage biopharmaceutical company seeking to discover and develop novel small molecule drugs through the improvement of existing drugs and clinical candidates, via deuterium substitution. Deuterium substitution can lead to drugs with superior pharmacokinetic or metabolic properties, improved clinical safety, tolerability, and/or efficacy. Deuterated analogs of approved drugs may also be able to enjoy expedited pathways to FDA approval. The firm currently has a trio of clinical-stage product candidates, including CTP-354, for spasticity associated with multiple sclerosis, CTP-499 for diabetic kidney disease, and AVP-786 for neurologic and psychiatric disorders, through a collaboration with Avanir Pharmaceuticals. The firm is also in ongoing collaboration with Celgene Corporation for deuterated compounds, including CTP-730 for inflammatory diseases, and with Jazz Pharmaceuticals for JZP-386, the active ingredient in Xyrem, which is in pre-clinical development for narcolepsy.

Investment Risks

Clinical risk. Products undergoing clinical trials may have serious safety concerns, lack efficacy, or fail to demonstrate statistical significance, any of which would preclude them from continuing clinical development and eventual commercialization. If the company's Deuterated Chemical Entity (DCE) Platform® technology is not proven, there will likely be downside to the share price as well as risk to the viability of the company. In addition, CNCE has not yet demonstrated an ability to successfully conduct a large-scale pivotal clinical trial, obtain marketing approvals, manufacture a commercial scale product, or to conduct the sales and marketing activities necessary for successful product commercialization.

Collaboration risk. CNCE will depend upon collaborations with third parties for the development and commercialization of some of the company's product candidates and expects to continue to do so in the future. CNCE's business model relies on making use of its DCE platform to partner with Pharmaceutical and Biotechnology companies to improve existing drug candidates. CNCE's prospects with respect to those product candidates will depend in significant part on the success of those collaborations.

Manufacturing risk. CNCE is a clinical-stage biopharmaceutical company applying its extensive knowledge of deuterium chemistry to discover and develop novel small molecule drugs. Because there are limited sources of deuterium, CNCE and its collaborators are exposed to a number of risks and uncertainties associated with the company's deuterium supply. In particular, manufacturing processes for many drug candidates, including those for CTP-499 and certain others, are projected to require large quantities of deuterium for late-stage clinical trials and for commercialization. Consequently, any adverse impact on CNCE's ability to obtain deuterium oxide could have a significant impact on the company's ability to develop or commercialize product candidates. Similarly, CNCE's collaborators will also need to obtain supplies of deuterium and will be subject to risks and requirements in connection with sourcing deuterium similar to the ones the company faces.

Intellectual property risk. As of December 31, 2013, CNCE held 100 issued patents worldwide, including 50 issued patents in the United States. CNCE's patents and patent applications for its lead programs are set to expire between 2028 and 2034. The company may be sued by a competitor on patent infringement or have to undergo litigation that would incur substantial fees. The company could lose a case, which would make it susceptible to generic risk.

Financial risk. Concert Pharmaceuticals currently derives revenue from research and development funding and from license or collaboration agreements. The company is not yet profitable and has a history of operating losses that are expected to continue in the near future. Developing pharmaceutical products, including conducting pre-clinical studies and clinical trials, is a time-consuming, expensive, and uncertain process that takes years to complete. CNCE needs to continue financing clinical trials through to completion and it may be unable to secure additional funding, forcing it to delay, reduce, or eliminate product development programs or commercialization efforts. The company has incurred significant losses since its inception and should expect losses to occur for the next several years.

Competitive risk. CNCE faces competition from marketers of other treatments for the indications that it seeks to develop drugs for, including major pharmaceutical firms and biotech firms. The firm's products will also have to compete with existing treatments that have already become generically available (e.g., CTP-354 will have to compete with other spasticity drugs, such as baclofen, tizanidine, diazepam, and dantrolene).

Regulatory risk. CNCE or its collaborators, may, in some instances, be able to secure clearances from the FDA or comparable foreign regulatory authorities to use expedited development pathways. If it is unable to obtain such clearances, CNCE or its collaborators may be required to conduct additional pre-clinical studies or clinical trials beyond those contemplated, which could increase the expense of obtaining, and delay the receipt of, necessary marketing approvals.

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

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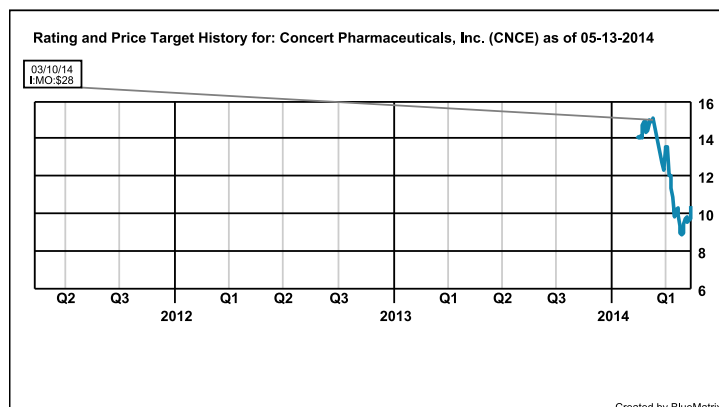
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MARKET OUTPERFORM	Buy	254	57.99%	Buy	254	57.99%	98	38.58%
MARKET PERFORM	Hold	136	31.05%	Hold	136	31.05%	17	12.50%
MARKET UNDERPERFORM	Sell	5	1.14%	Sell	5	1.14%	0	0%
COVERAGE IN TRANSITION		43	9.82%		43	9.82%	0	0%
TOTAL:		438	100%		438	100%	115	26.26%

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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