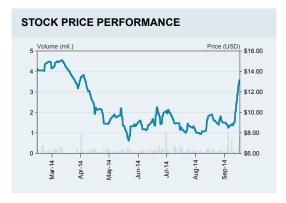


Concert Pharmaceuticals, Inc. (CNCE)

Trial Initiation Advances CTP-730 into Clinic

MARKET DATA	
Price	\$14.39
52-Week Range:	\$7.12 - \$16.26
Shares Out. (M):	17.9
Market Cap (\$M):	\$257.6
Average Daily Vol. (000):	813.0
Cash (M):	\$18
Cash/Share:	\$1.00
Enterprise Value (M):	\$52
Float (M):	16.2
LT Debt (M):	\$5
Source: Thomson Reuters and JMP Securities LLC	

FY DEC		2013A	2014E	2015E	
Revenue (\$M)	1Q		\$1.6A	\$1.2	
	2Q	\$24.0	\$1.2A	\$0.0	
	3Q	\$24.0	\$0.0	\$0.0	
	4Q	\$1.4	\$0.0	\$2.8	
	FY	\$25.4	\$2.8	\$2.0	
EPS	1Q		(\$0.76)A		
	2Q	(\$0.01)	(\$0.45)A		
	3Q	(\$0.01)	(\$0.65)		
	4Q	(\$4.66)	(\$0.71)		
	FY	(\$4.99)	(\$2.20)	(\$2.39)	
Source: Company reports and JMP Securities LLC					



MARKET OUTPERFORM | Price: \$14.39 | Target Price: \$28.00

INVESTMENT HIGHLIGHTS

Concert Pharmaceuticals announced the initiation of a Phase I clinical trial to explore the safety of CTP-730; reiterate our Market Outperform rating and \$28 price target for CNCE shares based on our DCF and SOTP valuation methodologies. The advancement of CTP-730 into human clinical trials signals confidence in the potential of this drug and the Celgene partnership. Under the agreement, Concert will conduct the randomized, double-blind, single-dose ascending trial (5, 10, 20, 30, 40 mg) in healthy volunteers to assess the safety and tolerability of CTP-730. Additionally under the terms of the agreement, CNCE is eligible to earn up to \$23MM in development milestone payments, including \$8MM related to the completion of this Phase I clinical trial, up to \$247.5MM in regulatory milestone payments and up to \$50MM in sales-based milestones. The Phase I trial is expected to be completed in October 2014, with readouts in 1Q2015 and \$8MM in milestone payments expected to be realized in 2015.

CTP-730 partnership with Celgene progresses and leaves us wondering (in a good way). Neither company has disclosed the target or the composition of CTP-730, leaving most to speculate about its identity. As the deal covers molecules in both oncologic and inflammatory conditions, there are a number of possibilities. The available patents suggest several compounds that CNCE has been granted related to Celgene marketed or in development products. Otezla (apremilast) and Revlimid are two prominent compounds that Concert has stabilized with its DCE platform. Additionally, Concert has numerous patents related to stabilized small molecule inhibitors of JAK, EGFR, VEGF, and BTK. We speculate that CTP-730 is apremilast. The pharmacokinetics of apremilstat is such that 39% of the API is metabolized to an inactive component by CYP3A4 metabolism. The patents held by Concert relate to deuteration at the R3 methyl group, the site of eventual glucuronidation via CYP3A4, which can potentially stabilize apremilast, increasing in bioavailability. On the other hand, deuteration of Revlimid likely stabilizes the enantiomeric conversion rate. We do not believe this is likely to improve solubility, or bioavailability of Revlimid, nor is it likely to reduce the side effect profile which arises from target effects.

Significant upside potential for this deuterated drug company. We remain bullish on Concert Pharmaceuticals shares seeing several opportunities for growth over the next several years in addition to CTP-499 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.

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FIGURE 1. Upcoming CNCE Milestones

Timing	Drug	Milestones
3Q14	CTP-354	Phase I MAD continuation
3Q14	AVP-786	Results from Phase II Alzheimer's trial at ANA
1H15	CTP-354	Phase II clinical trial in MS and SCI expected to begin
2H14	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



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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JMP FACTS AND DISCLOSURES

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JMP Securities currently makes a market in the securities of Concert Pharmaceuticals, Inc. and Celgene Corporation

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

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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.

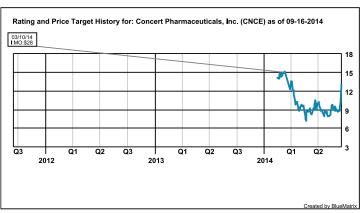
Market Underperform (MU): JMP Securities expects the stock price to underperform relevant market indices over the next 12 months.

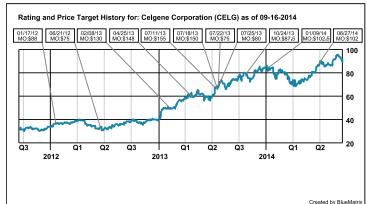
JMP Securities Research Ratings and Investment Banking Services: (as of September 17, 2014)

							# 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	274	60.62%	Buy	274	60.62%	104	37.96%
MARKET PERFORM	Hold	138	30.53%	Hold	138	30.53%	19	13.77%
MARKET UNDERPERFORM	Sell	4	0.88%	Sell	4	0.88%	0	0%
COVERAGE IN TRANSITION		36	7.96%		36	7.96%	0	0%
TOTAL:		452	100%		452	100%	123	27.21%

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 guarter. The action reflected in this note is not annotated in the stock price chart. Source: JMP Securities.





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Concert Pharmaceuticals, Inc. (CNCE)



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