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Cara Therapeutics Inc. (CARA)

Overweight

Good Cash & Near Term Clinical Milestones Bode Well for 2015

CONCLUSION

Cara reported 3Q results and provided a clinical update, ending the quarter with \$58M in cash, which we continue to expect will fund operations at least into 2016 - management guided to 18 months of burn without licensing milestones which we believe may prove overly conservative. The company's multiple clinical programs remain on track and a number of catalysts before YE or in 1Q15 should maintain investor interest. In our view, Cara's success in the human abuse liability (HAL) study, possibly leading to Schedule IV, V, or even no scheduling, bodes well for I.V. '845 in the post op setting and possibly reads-through to the oral formulation. We reiterate our Overweight rating and \$30 price target on Cara in advance of multiple clinical readouts for its kappa opioid agonist over the next 12 months.

- The head-line event has been the recent HAL study read-out. I.V. '845 proved placebolike on a mixed-model analysis and soundly beat Schedule IV kappa/mu mixed agonist pentazocine on multiple other measures (see our note here). Management was hesitant to project what the FDA may or may not do with the data and suggestions for scheduling of the oral agent, however, management did point out that the I.V. results likely set the highest bar for the agent. That makes logical sense, I.V. delivery produces the most rapid "rush" with no GI retention and limited 1st-pass metabolism. For the I.V. program, Cara still plans to request an end of Phase II by YE and possibly start Phase IIIs, likely one each of a bunionectomy and laparoscopic hysterectomy surgery study, in early '15.
- Pruritis visibility is increasing and presents potential upside. Neither oral '845 or the pruritis opportunity are in our current valuation for Cara. Though both are making progress, we believe the key value driver in the next 12 months is likely I.V. '845. However, we could be surprised by either oral or pruritis. Cara continues to expect top-line safety, PK, and dosing data from the Phase II proof-of-concept study of I.V. '845 in uremic pruritis, with top-line efficacy data in 1H15. The company sees oral '845 as possibly proving effective in chronic pruritis. The Maruishi SAD/MAD studies of I.V. '845 in acute pain and uremic pruritis in Japan are expected to read out around YE.

RISKS TO ACHIEVEMENT OF PRICE TARGET

Failure of lead candidate I.V. '845 in pivotal studies, DEA scheduling, or safety signals.

COMPANY DESCRIPTION

Cara develops novel peripherally-rescricted candidates for pain indications.

PRICE: US\$8.48 TARGET: US\$30.00

DCF of I.V. CR845 revenues for post-op pain in the U.S.

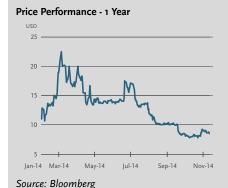
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Changes	Previous	Current
Rating	_	Overweight
Price Tgt	_	US\$30.00
FY14E Rev (mil)	US\$1.1	US\$2.3
FY15E Rev (mil)	_	US\$o.o
FY14E EPS	US\$(0.93)	US\$(0.98)
FY15E EPS	US\$(1.64)	US\$(1.68)
52-Week High / Low	US\$2	3.25 / US\$7.53
Shares Out (mil)		22.7
Market Cap. (mil)		US\$192.5
Avg Daily Vol (000)		105
Book Value/Share		US\$2.44
Net Cash Per Share		US\$2.57
Debt to Total Capital		0%
Div (ann)		NA
Yield		
Fiscal Year End		Dec



VEAD	REVENUE (US\$ m)							EARNINGS PER SHARE (US\$)							
YEAR	Mar	Jun	Sep	Dec	FY	FY RM	Mar	Jun	Sep	Dec	FY	FY P/E			
2013A	_	_	_	0.0	12.0	16.ox	–	_	_	(0.49)	(0.74)	NM			
2014E	0.2A	1.0A	1.1A	0.0	2.3	83.7x	(0.22)A	(o.16)A	(0.29)A	(0.32)	(0.98)	NM			
2015E	0.0	0.0	0.0	0.0	0.0	NA	(0.38)	(0.42)	(0.43)	(0.44)	(1 68)	NM			

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Clinical and regulatory timelines on track. The single and multiple-ascending-dose Phase I studies (150 patient, tablet formulation) for oral '845 remain on track for starting by YE. These studies are intended to provide safety, PK, and biomarker data to inform a Phase II proof of concept study to start in 2015. We believe there is substantial potential for oral '845 not only in acute pain (post-op step down) but possibly also the chronic setting.

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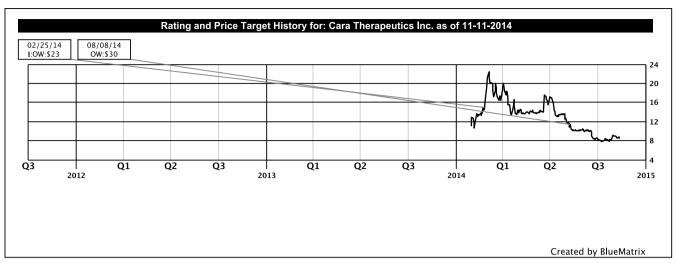
Cara (\$ in thousands, except per share amounts)	2011	2012	2013	1Q14	2Q14	3Q14	4Q14E	2014E	1Q15E	2Q15E	3Q15E	4Q15E	2015E	2016E	2017E	2018
Income Statement																
Revenue																
License and milestone fees	-	1,190	9,637	-	302	-	-	302	-	-	-	-	-	7,400	6,900	l
% total revenue		100%	81%	0%	31%	0%	na	13%	na	na	na	na	na	100%	34%	0
Revenues under collaborative agreements	-	-	2,327	178	658	1,125	-	1,961	-	-	-	-	-	-	-	l
% total revenue		0%	19%	100%	69%	100%	na	87%	na	na	na	na	na	0%	0%	0
Product sales and royalties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,324	102,32
% total revenue		0%	0%	0%	0%	0%	na	0%	na	na	na	na	na	0%	66%	100
Total Revenues	-	1,190	11,964	178	960	1,125	-	2,263	-	-	-	-	-	7,400	20,224	102,32
Costs & Expenses:																
Cost of product revenue	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,250	26,31
R&D	7,159	4,597	8,685	2,201	3,200	6,208	6,000	17,609	8,000	9,000	9,450	9,923	36,373	40,059	30,939	30,10
SG&A	2,407	2,829	3,557	1,398	1,472	1,520	1,500	5,890	1,650	1,815	1,997	2,196	7,658	11,504	20,650	24,16
Total Operating Expenses	9,566	7,426	12,242	3,599	4,672	7,728	7,500	23,499	9,650	10,815	11,447	12,119	44,030	51,563	55,839	80,57
Operating Income (loss)	(9,566)	(6,236)	(278)	(3,421)	(3,712)	(6,603)	(7,500)	(21,236)	(9,650)	(10,815)	(11,447)	(12,119)	(44,030)	(44,163)	(35,616)	21,74
Investment income	-	-	-	22	56	26	-	-	-	-	-	-	-	-	-	
Income (loss) before income taxes	(9,841)	(6,302)	(3,993)	(3,399)	(3,656)	(6,577)	(7,500)	(21,236)	(9,650)	(10,815)	(11,447)	(12,119)	(44,030)	(44,163)	(35,616)	21,74
Income tax (benefit) provision	(35)	(31)	(30)	(16)	(11)	(32)	(75)	(134)	(97)	(108)	(114)	(121)	(440)	(442)	(8,191)	7,61
Tax rate	0	0		0.5%	0.3%	0.5%	1.0%	0.6%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	26.5%	35.0
Net operating loss offset			3	-	11	32	75	118	97	108	114	121	440	442	8,191	(7,61
Net income (loss) available to common stockholders	(9,806)	(6,271)	(3,963)	(3,383)	(3,645)	(6,545)	(7,425)	(21,102)	(9,554)	(10,707)	(11,332)	(11,997)	(43,590)	(43,721)	(27,424)	14,13
Net income (loss) to common shareholders - basic	(9,806)	(6,271)	(3,072)	(3,383)	(3,645)	(6,545)	(7,425)	(21,102)	(9,554)	(10,707)	(11,332)	(11,997)	(43,590)	(43,721)	(27,424)	14,13
Net income (loss) to common shareholders - diluted	(9,806)	(6,271)	(3,072)	(3,383)	(3,645)	(6,545)	(7,425)	(21,102)	(9,554)	(10,707)	(11,332)	(11,997)	(43,590)	(43,721)	(27,424)	14,13
Basic Earnings Per Share	(1.21)	(0.75)	(\$0.74)	(\$0.22)	(\$0.16)	(\$0.29)	(\$0.32)	(\$0.98)	(\$0.38)	(\$0.42)	(\$0.43)	(\$0.44)	(\$1.68)	(\$1.35)	(\$0.73)	\$0.3
Diluted Earnings Per Share	(1.21)	(0.75)	(\$0.74)	(\$0.22)	(\$0.16)	(\$0.29)	(\$0.32)	(\$0.98)	(\$0.38)	(\$0.42)	(\$0.43)	(\$0.44)	(\$1.68)	(\$1.35)	(\$0.73)	\$0.2
Basic Shares Outstanding	8,089	8,322	4,133	15,654	22,608	22,713	23,394	24,096	24,819	25,564	26,331	27,121	27,934	32,383	37,541	41,44
Diluted Shares Outstanding	8,089	8,322	4,133	15,654	22,608	22,713	23,394	24,096	24,819	25,564	26,331	27,121	27,934	32,383	37,541	49,73

Proprietary to Piper Jatriay & Co. November 13, 2014
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Current disclosure information for this company can be found at:
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I: Initiating Coverage

R: Resuming Coverage

T: Transferring Coverage

D: Discontinuing Coverage

S: Suspending Coverage

OW: Overweight

N: Neutral

UW: Underweight NA: Not Available UR: Under Review

Distribution of Ratings/IB Services Piper Jaffray									
			IB Serv.	/Past 12 Mos.					
Rating	Count	Percent	Count	Percent					
BUY [OW]	375	61.68	95	25.33					
HOLD [N]	221	36.35	23	10.41					
SELL [UW]	12	1.97	0	0.00					

Note: Distribution of Ratings/IB Services shows the number of companies currently in each rating category from which Piper Jaffray and its affiliates received compensation for investment banking services within the past 12 months. FINRA rules require disclosure of which ratings most closely correspond with "buy," "hold," and "sell" recommendations. Piper Jaffray ratings are not the equivalent of buy, hold or sell, but instead represent recommended relative weightings. Nevertheless, Overweight corresponds most closely with buy, Neutral with hold and Underweight with sell. See Stock Rating definitions below.

Analyst Certification — Charles C. Duncan, PhD, Sr. Research Analyst — Roy Buchanan, Ph.D., Research Analyst

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