

Adamas Pharmaceuticals, Inc.

Second-Quarter Earnings a Non-event as Company Strengthens IP Portfolio and Clinical Programs Continue

- After the close on Thursday, August 7, Adamas Pharmaceuticals reported second-quarter earnings. We continue to view the company's financial results over the next several quarters as less important than the ongoing development of the company's wholly owned product, ADS-5102, an extended-release amantadine HCl for the treatment of levodopa-induced dyskinesia, or LID, as well as the ongoing milestone payments from Forest Laboratories. We list the expected events for the company through 2015 in exhibit 1, on page 2.
- ADS-5102 allows for more tolerable and effective dosing, which we believe has led to best-in-class data from the Phase II/III study. The company's second Phase III study for ADS-5102 is in progress, with enrollment to be completed in 2015 and data likely to report in 2016. The company also recently announced that it was issued a patent, U.S. Patent No. '337, entitled, "Composition and Method For Treating Neurological Disease" with claims directed toward the method for treating human subjects with amantadine therapy. Previously, the company received U.S. Patent No. '343, entitled, "Method of Administering Amantadine Prior to a Sleep Period" with claims directed toward administration before bedtime of certain formulations of amantadine HCl. ADS-5102 is now covered by three method-of-use patents that expire in 2027 and 2030 and has several patent applications within and outside the United States.
- In addition to ADS-5102, Adamas has a partnership with Forest Laboratories for Namenda XR and the development of a Namenda XR/donepezil fixed dose combination drug (MDX-9704). The Namenda XR/donepezil fixed dose combination NDA has been filed with the FDA by Forest and we expect approval by the end of first quarter 2015 or possibly sooner. Upon approval of MDX-9704, Adamas is set to receive up to a \$30 million milestone payment, with royalties from this partnership to begin in 2018. Following the high-profile acquisition of Forest Laboratories by Actavis (ACT \$203.94), a company that was challenging the Namenda patent franchise, for \$25 billion, we believe this royalty stream for Namenda has largely been de-risked.
- For the company's financial results in second quarter 2014, Adamas reported \$25.154 million in revenue, in line with consensus and our estimate of \$25.0 million, which was primarily due to a \$25 million milestone payment from Forest Laboratories for the development of MDX-8704, a fixed-dose combination of memantine HCl and donepezil HCl to treat moderate-to-severe dementia associated with Alzheimer's disease. R&D costs were \$5.173 million, up 88% from the first quarter, and higher than our estimate of \$3.5 million and consensus of \$3.9 million. G&A expenses were \$3.262 million, up 5% from the first quarter, which was in line with our estimate of \$3.3 million and slightly higher than consensus of \$3 million. Net income was \$16.429 million, below our estimate of \$19.898 million and above consensus of \$11 million. Quarterly numbers, consensus estimates, and our estimates are detailed in exhibit 2, on page 2. We continue to estimate Adamas will be profitable in 2015 based on full recognition of a milestone payment next year associated with the Namenda FDC. However, we do not believe the profitability of the company will likely be a focus of investors until it reaches sustainable profitability, which we do not anticipate until 2018 based on sales of ADS-5102.

Adamas Pharmaceuticals is a developer of specialty therapeutics for the treatment of disorders affecting the central nervous system. The company is based in Emeryville, California.

Tim Lugo +1 415 248 2870 tlugo@williamblair.com Raju Prasad, Ph.D. +1 312 364 8469 rprasad@williamblair.com

August 08, 2014

Stock Rating:	Outperform
Company Profile:	Aggressive Growth
Price Target:	\$35.00

Symbol: ADMS (NASDAQ)
Price: \$15.71 (52-Wk.: \$12-\$22)
Market Value (mil.): \$262
Fiscal Year End: December

Long-Term EPS Growth Rate:

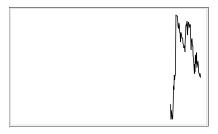
Dividend/Yield: None

	2013A	2014E	2015E
Estimates			
EPS Q1	NA	A\$-0.67	NA
Q2	NA	A\$0.88	NA
Q3	NA	\$-0.35	NA
Q4	NA	\$-0.42	NA
FY	\$5.99	\$-0.27	\$0.21
CY		\$-0.27	\$0.21
Sales (mil.)	71	26	36
Valuation			
FY P/E	2.6x	NM	74.8x
CY P/E		NM	74.8x

Trading Data (FactSet)	
Shares Outstanding (mil.)	10
Float (mil.)	4
Average Daily Volume	94,849

Financial Data (FactSet)	
Long-Term Debt/Total Capital (MRQ)	0.0
Book Value Per Share (MRQ)	5.4
Return on Equity (TTM)	69.1

Two-Year Price Performance Chart



Sources: FactSet, William Blair & Company estimates

Please consult pages 5-6 of this report for all disclosures. Analyst certification is on page 5. William Blair & Company, L.L.C. does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as a single factor in making an investment decision.

William Blair & Company, L.L.C.

• We continue to rate shares with an Outperform rating given our belief that ADS-5102 is an effective compound that should produce best-in-class ON/OFF time and reductions in dyskinesia in Parkinson's patients with levodopa-induced dyskinesia (LID). While data from the Phase II/III EASED study compared ADS-5102 with placebo, we believe the product provides clear benefits over immediate release amantadine given our review of literature available in this setting. We ultimately believe the product will gain a significant penetration into the moderate and severe Parkinson's disease patient population and estimate peak-year sales to exceed \$500 million. Our risk-adjusted NPV suggests a value of \$35 based on the Namenda franchise royalty stream from Actavis and our belief that ADS-5102 sales will exceed \$500 million. Nearterm catalysts include the ongoing Namenda franchise conversion to Namenda XR, and the approval of Namenda XR/donepezil fixed dose combination. The usual regulatory, clinical, and competitive risks in development stage pharmaceuticals apply to shares of Adamas.

Exhibit 1
Adamas Pharmaceuticals, Inc.
Timeline and Events

Date	Product	Event	Description/Comments
2014			
H2 2014	ADS-5102	Clinical	Initiate Phase 2/3 chronic TBI study
2015			
H1 2015	MDX-8704 (Forest)	Regulatory	Potential approval of NDA filing (up to \$30MM milestone)
H2 2015	ADS-5102	Clinical	Complete enrollment of Phase 3 PD-LID study
H1 2015	ADS-5102	Clinical	Initiate additional Phase 2/3 study for ADS-5102

Sources: Company reports and William Blair & Company, L.L.C. estimates

Exhibit 2

Adamas Pharmaceuticals, Inc.

Second Quarter Results

	ADMS Q1 14A	ADMS Q2 13A	ADMS Q2 14A	WB Q2 14E	onsensus Q2 14E	Q/Q Growth
(\$ in thousands except EPS)						
Contract/Service/Other Revenue	\$ 176	NA	\$ 25,154	\$ 25,000	\$ 25,000.0	14192%
Total Revenue	\$ 176.0	NA	\$ 25,154.0	\$ 25,000.0	\$ 25,000.0	14192%
R&D	\$ 2,758.0	NA	\$ 5,173.0	\$ 3,500.0	\$ 3,900.0	88%
G&A	\$ 3,109	NA	\$ 3,262	\$ 3,300	\$ 3,000.0	5%
Operating Income	\$ (5,691)	NA	\$ 16,719	\$ 18,200	\$ 11,900.0	194%
(Loss) income before taxes	\$ (6,379.0)	NA	\$ 16,607.0	\$ 18,950.0	\$ 11,900.0	160%
Net Income	\$ (6,380)	NA	\$ 16,429	\$ 19,898.0	\$ 11,000.0	158%
EPS	\$ (0.67)	NA	\$ 0.88	\$ 2.07	\$ 0.81	-231%

Source: Company reports, William Blair & Company L.L.C. estimates

Consensus estimates reported by FactSet

Valuation

We derive our \$35 price target from a risk-adjusted net present value (NPV) for the company's royalty stream from both Namenda XR and MDX-8704. Adamas's royalty stream for both products will not begin until five years after launch for either product. For our valuation of ADS-5102, we assume the product will launch in 2017, following the company's second Phase III study in 2016 and subsequent filing that year. Given the strength of data to date and the known efficacy of amantadine in Parkinson's disease, we are risk-adjusting the probability of success by 75%. We assume peak-year sales six years after launch, which we believe is conservative given the familiarity of physicians treating with amantadine. We continue to assign an Outperform rating to shares of Adamas Pharmaceuticals.

Exhibit 3
Sum of the Parts Valuation

Namenda Royalty	Life of Royalty	Discount	Probability of	NPV	Val	ue Per
		Rate	Success	Value	S	hare
Namenda Royalty	2018-2029	9%	65%	\$ 340	\$	16.44
Cash (\$M)						
\$86					\$	4.14
Base Value					\$	20.57
	Peak Sales	Discount	Probability of	Peak	Val	ue Per
		Rate	Success	Sales	S	hare
ADS-5102	\$460	9%	75%	2019	\$	16.35
NPV Value					\$	706.29
NPV of Future Losses Per Share					\$	(2.80)
NPV Value Per Share		•			\$	34.12

Source: William Blair & Company L.L.C. estimates

For per share numbers we use fully diluted share count of 20.7 million

Risks

An investment in shares of Adamas Pharmaceuticals involves clinical, regulatory, and financial risks that are typical for developmental-stage biopharmaceutical companies. We estimate that Adamas will be profitable over 2014 and 2015; however, the company might incur losses beginning in 2016 as preparations for the launch of ADS-5102 begin. In addition to the risks associated with ADS-5102 development, there are intellectual property, manufacturing, and competition risks to consider.



Adamas Pharmaceuticals Earnings Model 8/7/14 (\$ in millions except EPS data) Rating: Outperform Company Profile: Aggressive Growth Tim Lugo 415.248.2870 tlugo@williamblair.com

	20	011(A)	2012(A)		2013(A)	Q1(A)	Q2(A)	Q3(E)	Q4(E)	2014(E)	2015(E)	2016(E)	2017(E)	2018(E)
Product Revenue		-	-		-					-	-			
ADS-5102		-	- 1		-	-	<u>-</u>	-	-	-	-	-	17,228	105,570
Royalty/Milestone Revenue		1,982	37,471		71,095	176	25,154	180	180	25,690	36,000	4,000	4,000	6,263
Total Revenue		1,982	37,471		71,095	176	25,154	180	180	25,690	36,000	4,000	21,227.8	111,833.4
yr/yr growth		NA	NA		NM	NA	NA	NA	NA	NM	40.1%	-88.9%	NM	426.8%
q/q growth incremental rev q/q		NA	NA			NA	14192.0%	-99.7%	0.0%				1	
Cost of Goods Sold		_	_		_	_	_	_	_	_	_	_	1,723	10,557
Gross Profit		1,982	37,471		71,095	176	25,154	180	180	25,690	36,000	4,000	19,505	101,276
SG&A		3,388	8,330		6,667	2,758	3,262	3,500	3,600	13,120	16,000	29,500	35,400	38,940
Growth R&D		6,652	9,192		7,410	3,109	5,173.0	3,800.0	5,000.0	97% 15,375	22% 17,000	40% 20,000	20% 23,000	10% 25,300
Growth		0,002	0,102		-19%	-	-	-	-	107%	11%	18%	15%	10%
Total Operating Expenses		10,040	17,522		14,077	5,867	8,435	7,300	8,600	30,202	33,000	49,500	58,400	64,240
growth						NA	NA	NA	NA	115%	9%	50%	18%	10%
Operating Income		(8,058)	19,949		57,018	(5,691)	16,719	(7,120)	(8,420)	(4,512)	3,000	(45,500)	(38,895.0)	37,036.4
EBIT Margin										NM	NM	NM	NM	33%
growth y/y (%)						NA	NA	NA	NA	NM	NM	NM	NM	NM
Depreciation and Amortization		-	-		1,322.3	-	250	250	250	1,000	1,000	1,000	1,000	1,000
EBITDA			19,949.0		58,340.3	(5,691)	16,969	(6,870)	(8,170)	(3,762.0) NM	4,000.0 NM	(44,500.0) NM	(37,895) NM	38,036 34%
Interest and other income (expense)		(138)	(1,537)		(4,818)	-688	-112.0	750.0	750.0	3,000	2,000	1,500	1,500	8,000
Interest expense		(29)	(376)		(88)						1		1	
Income Before Taxes		(8,225.0)	18,036		52,112	(6,379)	16,607	(6,370)	(7,670)	(3,812)	5,000	(44,000)	(37,395)	45,036
Income Tax Provision		(19)	(300)		(1,191)	1	178	225	225	629	1,000	1,000	(7,479)	11,709
Effective Tax Rate		()	(555)		2.3%	NA	5.0%	NA	NA	NM	NA	NA	20%	26%
Net Income	s	(8,244.0)	\$ 17,736.0	\$	33,068	(6,380)	16,429	(6,595)	(7,895)	\$ (4,440.9)	4,000	(45,000)	(29,916)	33,327
Net income to common (diluted)	\$	(8,980.0)	\$ 11,596.0	\$	35,353	(6,380)	16,429	(6,595)	(7,895)	\$ (4,440.9)	4,000	(45,000)	(29,916)	33,327
Net income to common per share (diluted)	\$	(3.12)	\$ 2.34	\$	5.99	(0.67)	0.88	(0.35)	(0.42)	(0.27)	0.21	(2.31)	(1.51)	1.37
	Ţ			Ψ.	•									
Basic avg. number of shares used in computing net income		2,878	4,744		4,753	9,525	15,604	15,704	15,804	14,159	16,054	16,454	16,854	23,090
Diluted avg. number of shares used in computing net income		2,878	4,962		5,903	9,525	18,590	18,690	18,790	16,399	19,040	19,440	19,840	24,240
Key Ratios (GAAP unless noted)														
Gross Margin			NM		NM	NM	NM	NM	NM	NM	NM	NM	90.0%	90.0%
R&D (% Total Rev.)			NM		NM	NM	NM	NM	NM	NM	NM	NM	108.3%	22.6%
SG&A (% Total Rev.) Operating Margin			NM NM		NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	NM NM	166.8% -183.2%	34.8% 33.1%
Net Income Margin			NM		NM	NM	NM	NM	NM	NM	NM	NM	-163.2% -140.9%	29.8%
Revenue Growth														
Growth Yr/Yr			NM		90%	NM	NM	NM	NM	NM	NM	NM	431%	427%
Growth Q/Q			NM			NM	NM	NM	NM					
SG&A Growth Growth Yr/Yr			NM		-20%	NM	NM	NM	NM	97%	22%	84%	20%	10%
Growth Q/Q			NM		20,0	NM	NM	NM	NM	J. 70		3770	2070	. 3 / 0
R&D Growth														
Growth Yr/Yr			NM		-19%	NM	NM	NM	NM	107%	11%	18%	15%	10%
Growth Q/Q			NM			NM	NM	NM	NM					

William Blair & Company, L.L.C.

IMPORTANT DISCLOSURES

William Blair was a manager or co-manager of a public offering of equity securities for Adamas Pharmaceuticals, Inc. within the prior 12 months.

William Blair is a market maker in the security of Adamas Pharmaceuticals, Inc. and may have a long or short position.

William Blair intends to seek investment banking compensation in the next three months from Adamas Pharmaceuticals, Inc.

Within the past 12 months William Blair has provided or is providing investment banking services to or has an investment services relationship with Adamas Pharmaceuticals, Inc.

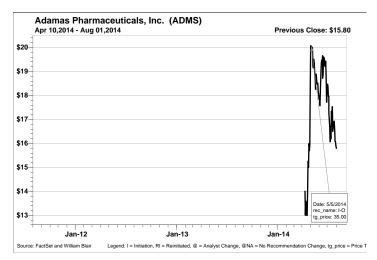
Additional information is available upon request.

This report is available in electronic form to registered users via R*Docs™ at www.rdocs.com or www.williamblair.com.

Please contact us at +1 800 621 0687 or consult williamblair.com/Research-and-Insights/Equity-Research/Coverage.aspx for all disclosures.

Tim Lugo attests that 1) all of the views expressed in this research report accurately reflect his/her personal views about any and all of the securities and companies covered by this report, and 2) no part of his/her compensation was, is, or will be related, directly or indirectly, to the specific recommendations or views expressed by him/her in this report. We seek to update our research as appropriate, but various regulations may prohibit us from doing so. Other than certain periodical industry reports, the majority of reports are published at irregular intervals as deemed appropriate by the analyst.

DOW JONES: 16,368.27 S&P 500: 1,909.57 NASDAQ: 4,334.97



Current Rating Distribution (as of 07/31/14)

Coverage Universe	Percent	Inv. Banking Relationships*	Percent	
Outperform (Buy)	66	Outperform (Buy)	16	
Market Perform (Hold)	31	Market Perform (Hold)	3	
Underperform (Sell)	1	Underperform (Sell)	0	

^{*}Percentage of companies in each rating category that are investment banking clients, defined as companies for which William Blair has received compensation for investment banking services within the past 12 months.

The compensation of the research analyst is based on a variety of factors, including performance of his or her stock recommendations; contributions to all of the firm's departments, including asset management, corporate finance, institutional sales, and retail brokerage; firm profitability; and competitive factors.

William Blair & Company, L.L.C.

OTHER IMPORTANT DISCLOSURES

Stock ratings, price targets, and valuation methodologies: William Blair & Company, L.L.C. uses a three-point system to rate stocks. Individual ratings and price targets (where used) reflect the expected performance of the stock relative to the broader market (generally the S&P 500, unless otherwise indicated) over the next 12 months. The assessment of expected performance is a function of near-, intermediate-, and long-term company fundamentals, industry outlook, confidence in earnings estimates, valuation (and our valuation methodology), and other factors. Outperform (O) – stock expected to outperform the broader market over the next 12 months; Market Perform (M) – stock expected to perform approximately in line with the broader market over the next 12 months; Underperform (U) – stock expected to underperform the broader market over the next 12 months; not rated (NR) – the stock is not currently rated. The valuation methodologies used to determine price targets (where used) include (but are not limited to) price-to-earnings multiple (P/E), relative P/E (compared with the relevant market), P/E-to-growth-rate (PEG) ratio, market capitalization/revenue multiple, enterprise value/EBITDA ratio, discounted cash flow, and others.

Company Profile: The William Blair research philosophy is focused on quality growth companies. Growth companies by their nature tend to be more volatile than the overall stock market. Company profile is a fundamental assessment, over a longer-term horizon, of the business risk of the company relative to the broader William Blair universe. Factors assessed include: 1) durability and strength of franchise (management strength and track record, market leadership, distinctive capabilities); 2) financial profile (earnings growth rate/consistency, cash flow generation, return on investment, balance sheet, accounting); 3) other factors such as sector or industry conditions, economic environment, confidence in long-term growth prospects, etc. Established Growth (E) – Fundamental risk is lower relative to the broader William Blair universe; Core Growth (C) – Fundamental risk is approximately in line with the broader William Blair universe; Aggressive Growth (A) – Fundamental risk is higher relative to the broader William Blair universe.

The ratings, price targets (where used), valuation methodologies, and company profile assessments reflect the opinion of the individual analyst and are subject to change at any time.

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies—to our clients and our trading desks—that are contrary to opinions expressed in this research. Certain outstanding reports may contain discussions or investment opinions relating to securities, financial instruments and/or issuers that are no longer current. Always refer to the most recent report on a company or issuer before making an investment decision. Our asset management and trading desks may make investment decisions that are inconsistent with recommendations or views expressed in this report. We will from time to time have long or short positions in, act as principal in, and buy or sell the securities referred to in this report. Our research is disseminated primarily electronically, and in some instances in printed form. Electronic research is simultaneously available to all clients. This research is for our clients only. No part of this material may be copied or duplicated in any form by any means or redistributed without the prior written consent of William Blair & Company, L.L.C.

THIS IS NOT IN ANY SENSE A SOLICITATION OR OFFER OF THE PURCHASE OR SALE OF SECURITIES. THE FACTUAL STATEMENTS HEREIN HAVE BEEN TAKEN FROM SOURCES WE BELIEVE TO BE RELIABLE, BUT SUCH STATEMENTS ARE MADE WITHOUT ANY REPRESENTATION AS TO ACCURACY OR COMPLETENESS OR OTHERWISE. OPINIONS EXPRESSED ARE OUR OWN UNLESS OTHERWISE STATED. PRICES SHOWN ARE APPROXIMATE.

THIS MATERIAL HAS BEEN APPROVED FOR DISTRIBUTION IN THE UNITED KINGDOM BY WILLIAM BLAIR INTERNATIONAL, LIMITED, REGULATED BY THE FINANCIAL CONDUCT AUTHORITY (FCA), AND IS DIRECTED ONLY AT, AND IS ONLY MADE AVAILABLE TO, PERSONS FALLING WITHIN COB 3.5 AND 3.6 OF THE FCA HANDBOOK (BEING "ELIGIBLE COUNTERPARTIES" AND "PROFESSIONAL CLIENTS"). THIS DOCUMENT IS NOT TO BE DISTRIBUTED OR PASSED ON TO ANY "RETAIL CLIENTS." NO PERSONS OTHER THAN PERSONS TO WHOM THIS DOCUMENT IS DIRECTED SHOULD RELY ON IT OR ITS CONTENTS OR USE IT AS THE BASIS TO MAKE AN INVESTMENT DECISION.

"William Blair" and "R*Docs" are registered trademarks of William Blair & Company, L.L.C. Copyright 2014, William Blair & Company, L.L.C. All rights reserved.