

# Zafgen

#### **Equity Research**

May 13, 2015

**Price: \$34.23** (05/12/2015) **Price Target: \$60.00** 

#### **OUTPERFORM (1)**

#### Phil Nadeau, Ph.D.

646.562.1336 phil.nadeau@cowen.com

#### Jeff Chen, Ph.D.

646.562.1417 jeff.chen@cowen.com

#### **Key Data**

Symbol NASDAQ: ZFGN 52-Week Range: \$55.36 - 16.01 Market Cap (MM): \$919.3 Net Debt (MM): \$(5.5) Cash/Share: NA Dil. Shares Out (MM): Enterprise Value (MM): \$799.8 ROIC NA ROE (LTM): NA BV/Share: NA Dividend: NA

FY (Dec)	2014A	2015E	2016E					
Earnings Per Share								
Q1	\$(0.98)	\$(0.53)A	_					
Prior Q1	-	\$(0.65)	-					
Q2	\$(2.96)	\$(0.71)	_					
Prior Q2	-	\$(0.76)	-					
Q3	\$(0.65)	\$(0.78)	_					
Prior Q3	-	\$(0.81)	-					
Q4	\$(0.48)	\$(0.85)	_					
Prior Q4	-	\$(0.86)	-					
Year	\$(3.00)	\$(2.87)	\$(2.85)					
Prior Year	-	\$(3.08)	\$(3.08)					
P/E	NM	NM	NM					
Consensus EPS	\$(3.19)	\$(2.99)	\$(3.14)					
Consensus source: T	homson Reute	rs						

#### Revenue (MM)

Year	\$0.0	\$0.0	\$0.0
EV/S	-	-	

# Earnings Update

# U.S. Phase III PWS Trial Completing Enrollment With Data Likely In Q1:16

#### The Cowen Insight

ZFGN reported Q1 financials. Beloranib's U.S. Ph. III PWS trial has reached target enrollment and data are expected in Q1:16. After discussions with FDA, the trial will now need to hit both co-primary endpoints of changes in total body weight and hyperphagia score. We continue to think the consistent weight loss data generated in Ph. II predicts Ph. III success and expect ZFGN to outperform.

# bestPWS Enrollment Completing, Primary Endpoints Adjusted After FDA Discussions.

Zafgen announced that its U.S. Phase III trial of beloranib in Prader-Willi Syndrome (bestPWS) has reached targeted enrollment (n=102), though a few more patients may still be added as they are completing the screening process. With the acceleration of enrollment in recent months, ZFGN now expects results from bestPWS to be released in early Q1:16, vs. prior Q2:16 guidance. ZFGN noted that it has had recent discussions with FDA over the trial's endpoints and statistical analysis. bestPWS will now need to meet both primary endpoints, change in body weight and change in hyperphagia behavior-related scores, with a p-value of less than or equal to 0.05. As originally designed the trial could hit either primary endpoint with p<0.025. Moreover, after discussions with the FDA, one of the co-primary endpoints was changed from change in fat mass to change in body weight. Management noted that the trial is 95% powered to demonstrate beloranib's effect versus placebo based on an assumed 1.5% difference in weight and a 4.5 unit delta in hyperphagia score. Zafgen indicated that the modifications to the trial design was based on "constructive" discussions with the FDA. Zafgen noted that the trial is showing good retention with lower than expected drop out rates. Management indicated that the FDA may consider one trial sufficient for filing should bestPWS generate compelling clinical efficacy with safety, otherwise data from the EU Ph. III may be necessary.

#### E.U. PWS Phase III Trial Remains On-Track To Begin In Mid-2015.

Zafgen remains on-track to initiate an E.U. pivotal Phase III trial of beloranib in ~150 PWS patients in mid-2015. Zafgen expects the trial will incorporate a four-week dose escalation phase followed by the evaluation 2.4mg beloranib vs. placebo. Similar to bestPWS, Zafgen expects the trial will also have co-primary endpoints of change in body weight and hyperphagia behavior-related scores.

#### **Other Clinical Programs Progressing.**

Zafgen expects to establish a regulatory path for beloranib in Hypothalamic injury-associated obesity (HIAO) in 2015 and to initiate a Phase III program in 2016. The Phase IIb trial (ZAF-203) of beloranib in patients with severe obesity and type 2 diabetes is approximately two-thirds enrolled and Zafgen continues to expect data by YE or early 2016. Zafgen anticipates completion of preclinical work for ZGN-839, an orally-active 2nd-gen MetAP2 inhibitor, and to file an IND in NASH by mid-year.

# At A Glance

#### **Our Investment Thesis**

Zafgen's lead asset beloranib is in development for the treatment of hyperphagia (insatiable appetite) and obesity in Prader-Willi syndrome (PWS), hypothalamic injury associated obesity (HIAO), and severe obesity in the general population. In 6 clinical trials with >200 subjects including obese volunteers and patients with PWS or HIAO, beloranib has reduced fat mass and controlled hyperphagia while maintaining an acceptable tolerability and safety profile. Our consultants find the >50% decrease in hyperphagia produced in PWS patients particularly striking, as beloranib is the first agent to demonstrate such activity. Beloranib's striking ability to induce weight loss was reaffirmed in a positive Ph. II HIAO trial and we think it de-risks the drug's U.S. Ph. III trial in PWS (bestPWS). Initial data from bestPWS is expected in Q1:16. We think ZFGN is undervalued based on beloranib's potential in PWS and HIAO alone, with no contribution from other indications or pipeline programs.

# **Forthcoming Catalysts**

- File IND for ZGN-839 in NASH, mid-15
- Initiate EU Phase III trial of beloranib in Prader-Willi, mid-15
- Six-month data from Phase II trial of beloranib in severe obese patients with type 2 diabetes, Q4:15/Q1:16
- Initial data from U.S. Ph. III trial of beloranib in Prader-Willi, early Q1:16

#### **Base Case Assumptions**

- Beloranib is successfully developed for Prader-Willi and HIAO, achieving \$1.0B in sales by 2026.
- Beloranib is not developed for any other indications.
- The rest of Zafgen's pipeline does not contribute significant value.

#### **Upside Scenario**

- Beloranib is successfully developed for Prader-Willi and HIAO, achieving > \$1.0B in sales by 2026.
- Beloranib is also successfully developed for other indications.
- ZGN-839 is successfully developed for NASH and/or type 2 diabetes
- Another pipeline candidate contributes significant value.

#### **Downside Scenario**

- Beloranib is not successfully developed for Prader-Willi and/or HIAO.
- Beloranib does not achieve \$1.0B in sales by 2026.
- The rest of Zafgen's pipeline does not contribute much value.

#### **Price Performance**



Source: Bloomberg

#### **Company Description**

Zafgen is dedicated to improving the health and well-being of patients affected by obesity. Zafgen's beloranib is a novel small molecule inhibitor of methionine aminopeptidase 2 (MetAP2). Beloranib has produced solid weight loss data with favorable safety in Phase II trials in patients with either Prader-Willi syndrome (PWS), hypothalamic injury associated obesity (HIAO), or severe obesity. Initial data from ongoing U.S. Phase III trial in PWS is expected in Q1:15 while an E.U. PWS Phase III trial is ready to begin in mid-2015. Data from a severe obesity Phase II trial is expected by Q1:16. PWS and HIAO are orphan disorders that each afflict ~20K patients in the U.S. and EU. We estimate that beloranib could address a \$1.5B+ opportunity in these two conditions. Zafgen is also developing an orally active MetAP2 inhibitor, ZGN-839 which has shown efficacy in preclinical models of Nonalcoholic Steatohepatitis (NASH) and type 2 diabetes. Zafgen plans to submit an IND for '839 in mid-15.

#### **Analyst Top Picks**

	Ticker	Price (05/12/2015)	Price Target	Rating
BioMarin Pharmaceutical	BMRN	\$121.09	\$125.00	Outperform
Gilead Sciences	GILD	\$105.56	\$125.00	Outperform
Portola Pharmaceuticals	PTLA	\$37.85	\$45.00	Outperform

# Cowen and Company

**Equity Research** 

# Zafgen

May 13, 2015

#### **Q1 Financials; Funding Sufficient For The Next 18 Months.**

Zafgen reported a Q1 net loss of \$13.5MM vs. our \$17.5MME. Inclusive of a net \$129.6MM secondary offering in January, the company ended Q1 with \$234MM in cash. Zafgen reiterated that it expects to end 2015 with >\$145MM in cash and expects its cash balance to be sufficient to fund operations for the next 18 months.

www.cowen.com 3

<sup>3</sup> 129

#### Cowen and Company

**Equity Research** 

#### Zafgen

May 13, 2015

#### Investment Thesis

Zafgen is a biopharmaceutical company dedicated to significantly improving the health and well-being of patients affected by obesity. Zafgen's lead asset, beloranib, is a novel small molecule inhibitor of methionine aminopeptidase 2 (MetAP2) that is in development for the treatment of hyperphagia (insatiable appetite) and obesity in Prader-Willi Syndrome (PWS), hypothalamic injury associated obesity (HIAO), and severe obesity in the general population. Zafgen has completed six clinical trials in over 200 subjects including obese volunteers, PWS patients, and patients with HIAO. In these trials beloranib has reduced fat mass and controlled hyperphagia while maintaining an acceptable tolerability and safety profile. Our consultants find the >50% decrease in hyperphagia produced in PWS patients particularly striking, as beloranib is the first agent shown to produce a reduction in food seeking behaviors in these patients, a key area of unmet need. Beloranib entered a U.S. Phase III trial in PWS in September 2014, with initial data possible in Q1:2016. The company anticipates to start a Phase III study in Europe in mid-2015. In December 2014, Zafgen initiated a Phase IIb trial in severely obese patients with type 2 diabetes. Six-month data from the trial is expected in late 2015 or early 2015. In January 2015, Zafgen announced positive results from a Phase II trial in HIAO that reaffirmed beloranib's ability to induce weight loss even in individuals with hypothalamic dysfunction. The positive readout further de-risks the Phase III trial in PWS as hypothalamic dysfunction is thought to also cause the obesity and hyperphagia associated with PWS. Zafgen plans to pursue HIAO as an extension of beloranib's PWS indication and are in talks with regulators for a registration pathway. PWS and HIAO are orphan disorders that each afflict approximately 20K patients in the U.S. and EU. We estimate that beloranib could address a \$1.5B+ opportunity in these two conditions. Behind beloranib, Zafgen is developing an orally active second-generation MetAP2 inhibitor, ZGN-839. ZGN-839 has shown early efficacy in preclinical models of Nonalcoholic Steatohepatitis (NASH) and type 2 diabetes. Zafgen plans to submit an IND for ZGN-839 in mid-2015. Our DCF analysis suggests that Zafgen is undervalued based on beloranib's potential in Prader-Willi and HIAO alone, with no contribution from other indications or pipeline programs. We maintain our Outperform rating and a \$60 price target.

www.cowen.com

May 13, 2015

# Zafgen Upcoming Milestones

Milestone	Timing
Initiate E.U. Phase III trial of 2.4mg beloranib vs. placebo in PWS	Mid-2015
Complete enrollment for Phase IIb trial of beloranib in severe obesity with type 2 diabetes	Mid-2015
File IND for ZGN-839 in NASH	Mid-2015
Interim 6-month Phase IIb data from beloranib in severe obesity with type 2 diabetes (complete Phase IIb; development decision point)	YE:15 or Q1:16
Phase III data from beloranib in PWS in U.S. (ZAF-311-bestPWS)	Early Q1:2016
Initiate beloranib's Phase III program in HIAO	2016
Data from Phase I PK/safety/tolerability trials	2016
Nomination of second-generation MetAP2i candidate	2016
Initiate Phase I trial with second-generation MetAP2i candidate	2016

Source: Cowen and Company

# Zafgen Quarterly P&L (\$MM)

	Q1:14A	Q2:14A	Q3:14A	Q4:14A	2014A	Q1:15A	Q2:15E	Q3:15E	Q4:15E	2015E
Boleranib	-	-	-	-	-	-	-	-	-	-
License/milestones revenue	-	-	-	-	-	-	-	-	-	-
Total Revenue	-	-	-	-	-	-	-	-	-	-
COGS	-	-	-	-	-	-	-	-	-	-
R&D	3.3	4.7	12.1	7.3	27.4	10.2	14.0	15.0	16.0	55.2
SG&A	1.2	1.3	2.3	3.3	8.1	3.0	4.0	5.0	6.0	18.0
Other	-	-	-	-	-					-
Operating Expenses	4.5	6.0	14.4	10.7	35.5	13.2	18.0	20.0	22.0	73.2
Operating Income / (Loss)	(4.5)	(6.0)	(14.4)	(10.7)	(35.5)	(13.2)	(18.0)	(20.0)	(22.0)	(73.2)
Interest Income	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.3
Interest Expenses	(0.0)	(0.4)	(0.2)	(0.2)	(0.9)	(0.2)	(0.4)	(0.4)	(0.4)	(1.4)
Foreign Currency Transaction Gains (Losses), n	0.1	0.0	(0.1)	(0.1)	(0.1)	(0.1)	-	-	-	-
Pretax net income	(4.5)	(6.4)	(14.7)	(10.9)	(36.5)	(13.5)	(18.3)	(20.3)	(22.3)	(74.3)
Accretion of redeemable convertible preferred st	(0.0)	(0.0)	-	-	(0.1)	-	-	-	-	-
Taxes	-	-	-	-	-	-	-	-	-	-
Tax Rate	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
GAAP Net Income	(4.5)	(6.4)	(14.7)	(10.9)	(36.6)	(13.5)	(18.3)	(20.3)	(22.3)	(74.3)
GAAP EPS	\$ (0.98)	\$ (2.96)	\$ (0.65)	\$ (0.48)	\$ (3.00)	\$ (0.53)	\$ (0.71)	\$ (0.78)	\$ (0.85)	\$ (2.87)
Diluted Shares Outstanding (MM)	4.6	2.2	22.7	22.8	12.2	25.6	25.7	25.9	26.2	25.9

Source: Cowen and Company

www.cowen.com 5



# Zafgen Annual P&L (\$MM)

	2014A	2015E	2016E	2017E	2018E	2019E	2020E
Boleranib	-		-	25.0	95.0	200.0	325.0
License/milestones revenue	-	-	-	-	-	-	-
Total Revenue	-	_	-	25.0	95.0	200.0	325.0
COGS	-	-	-	2.0	6.8	13.0	19.5
R&D	27.4	55.2	65.0	75.0	60.0	65.0	70.0
SG&A	8.1	18.0	25.0	40.0	50.0	60.0	75.0
Other	_	_	_	_	_	_	_
Operating Expenses	35.5	73.2	90.0	117.0	116.8	138.0	164.5
Operating Income / (Loss)	(35.5)	(73.2)	(90.0)	(92.0)	(21.8)	62.0	160.5
Interest Income	0.0	0.3	0.3	0.8	0.8	0.4	0.9
Interest Expenses	(0.9)	(1.4)	(0.8)	(0.4)	_	_	_
Foreign Currency Transaction Gains (Losses), net	(0.1)	_	_	_	_	_	_
Pretax net income	(36.5)	(74.3)	(90.5)	(91.6)	(21.0)	62.4	161.4
Accretion of redeemable convertible preferred stoc	(0.1)	_	_	_	_	_	_
Taxes	_	_	_	_	_	_	_
Tax Rate	0%	0%	0%	0%	0%	0%	0%
GAAP Net Income	(36.6)	(74.3)	(90.5)	(91.6)	(21.0)	62.4	161.4
GAAP EPS	\$ (3.00)	\$ (2.87)	\$ (2.85)	\$ (2.82)	\$ (0.64)	\$ 1.87	\$ 4.73
Diluted Shares Outstanding (MM)	12.2	25.9	31.7	32.5	32.8	33.4	34.1

Source: Cowen and Company

May 13, 2015

# Valuation Methodology And Risks

## Valuation Methodology

#### **Biotechnology:**

In calculating our 12-month target price, we employ one or more valuation methodologies, which include a discounted earnings analysis, discounted cash flow analysis, net present value analysis and/or a comparable company analysis. These analyses may or may not require the use of objective measures such as price-to-earnings or price-to-sales multiples as well as subjective measures such as discount rates.

We make investment recommendations on early stage (pre-commercial) biotechnology companies based upon an assessment of their technology, the probability of pipeline success, and the potential market opportunity in the event of success. However, because these companies lack traditional financial metrics, we do not believe there are any good methodologies for assigning a specific target price to such stocks.

#### **Investment Risks**

#### **Biotechnology:**

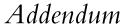
There are multiple risks that are inherent with an investment in the biotechnology sector. Beyond systemic risk, there is also clinical, regulatory, and commercial risk. Additionally, biotechnology companies require significant amounts of capital in order to develop their clinical programs. The capital-raising environment is always changing and there is risk that necessary capital to complete development may not be readily available.

#### **Risks To The Price Target**

Zafgen is developing candidates for the treatment of orphan disorders, obesity, and metabolic conditions. The majority of Zafgen's market capitalization is dependent upon the success of lead candidate beloranib. Beloranib's value could be adversely impacted should its clinical trials fail, should the regulatory agencies deny approval, or should its commercial opportunity not materialize as we project. In fact, all of Zafgen's drug candidates face clinical and regulatory risk. With the future development path depending on the evolution of clinical data, future revenue forecasts are uncertain. The commercial outlook for Zafgen's candidates could additionally be altered by safety/efficacy findings, emerging competition, alterations in the medical treatment paradigm, or changes in the pricing environment. Some of Zafgen's projected market exclusivity depends on patents, which are subject to challenge by generic drugmakers.

www.cowen.com





#### **Stocks Mentioned In Important Disclosures**

Ticker	Company Name
BMRN	BioMarin Pharmaceutical
GILD	Gilead Sciences
PTLA	Portola Pharmaceuticals
ZFGN	Zafgen

#### **Analyst Certification**

Each author of this research report hereby certifies that (i) the views expressed in the research report accurately reflect his or her personal views about any and all of the subject securities or issuers, and (ii) no part of his or her compensation was, is, or will be related, directly or indirectly, to the specific recommendations or views expressed in this report.

#### **Important Disclosures**

Cowen and Company, LLC and or its affiliates make a market in the stock of Zafgen, BioMarin Pharmaceutical, Gilead Sciences and Portola Pharmaceuticals securities. Zafgen and Portola Pharmaceuticals have been client(s) of Cowen and Company, LLC in the past 12 months.

Cowen and Company, LLC and/or its affiliates expect to receive, or intend to seek, compensation for investment banking services in the next 3 months from Portola Pharmaceuticals.

Zafgen and Portola Pharmaceuticals is or was in the past 12 months a client of Cowen and Company, LLC; during the past 12 months, Cowen and Company, LLC provided IB services.

Cowen and Company, LLC and/or its affiliates received in the past 12 months compensation for investment banking services from Zafgen and Portola Pharmaceuticals.

Cowen and Company, LLC and/or its affiliates managed or co-managed a public offering of Zafgen and Portola Pharmaceuticals within the past twelve months.

Cowen and Company, LLC compensates research analysts for activities and services intended to benefit the firm's investor clients. Individual compensation determinations for research analysts, including the author(s) of this report, are based on a variety of factors, including the overall profitability of the firm and the total revenue derived from all sources, including revenues from investment banking. Cowen and Company, LLC does not compensate research analysts based on specific investment banking transactions.

#### **Disclaimer**

This research is for our clients only. Our research is disseminated primarily electronically and, in some cases, in printed form. Research distributed electronically is available simultaneously to all Cowen and Company, LLC clients. All published research can be obtained on the Firm's client website, <a href="https://cowenlibrary.bluematrix.com/client/library.jsp">https://cowenlibrary.bluematrix.com/client/library.jsp</a>.

Further information on any of the above securities may be obtained from our offices. This report is published solely for information purposes, and is not to be construed as an offer to sell or the solicitation of an offer to buy any security in any state where such an offer or solicitation would be illegal. Other than disclosures relating to Cowen and Company, LLC, the information herein is based on sources we believe to be reliable but is not guaranteed by us and does not purport to be a complete statement or summary of the available data. Any opinions expressed herein are statements of our judgment on this date and are subject to change without notice.

For important disclosures regarding the companies that are the subject of this research report, please contact Compliance Department, Cowen and Company, LLC, 599 Lexington Avenue, 20th Floor, New York, NY 10022. In addition, the same important disclosures, with the exception of the valuation methods and risks, are available on the Firm's disclosure website at <a href="https://cowen.bluematrix.com/sellside/Disclosures.action.">https://cowen.bluematrix.com/sellside/Disclosures.action.</a>

Price Targets: Cowen and Company, LLC assigns price targets on all covered companies unless noted otherwise. The price target for an issuer's stock represents the value that the analyst reasonably expects the stock to reach over a performance period of twelve months. The price targets in this report should be considered in the context of all prior published Cowen and Company, LLC research reports (including the disclosures in any such report or on the Firm's disclosure website), which may or may not include price targets, as well as developments relating to the issuer, its industry and the financial markets. For price target valuation methodology and risks associated with the achievement of any given price target, please see the analyst's research report publishing such targets.

Notice to UK Investors: This publication is produced by Cowen and Company, LLC which is regulated in the United States by FINRA. It is to be communicated only to persons of a kind described in Articles 19 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005. It must not be further transmitted to any other person without our consent.

#### Copyright, User Agreement and other general information related to this report

© 2015 Cowen and Company, LLC. Member NYSE, FINRA and SIPC. All rights reserved. This research report is prepared for the exclusive use of Cowen clients and may not be reproduced, displayed, modified, distributed, transmitted or disclosed, in whole or in part, or in any form or manner, to others outside your organization without the express prior written consent of Cowen. Cowen research reports are distributed simultaneously to all clients eligible to receive such research reports. Any unauthorized use or disclosure is prohibited. Receipt and/or review of this research constitutes your agreement not to reproduce, display, modify, distribute, transmit, or disclose to others outside your organization the contents, opinions, conclusion, or information contained in this report (including any investment recommendations, estimates or price targets). All Cowen trademarks displayed in this report are owned by Cowen and may not be used without its prior written consent.

Cowen and Company, LLC. New York (646) 562-1000 Boston (617) 946-3700 San Francisco (415) 646-7200 Chicago (312) 577-2240 Cleveland (440) 331-3531 Atlanta (866) 544-7009 London (affiliate) 44-207-071-7500

#### **COWEN AND COMPANY RATING DEFINITIONS**

Cowen and Company Rating System effective May 25, 2013

Outperform (1): The stock is expected to achieve a total positive return of at least 15% over the next 12 months

Market Perform (2): The stock is expected to have a total return that falls between the parameters of an Outperform and Underperform over the next 12 months

Underperform (3): Stock is expected to achieve a total negative return of at least 10% over the next 12 months

Assumption: The expected total return calculation includes anticipated dividend yield

Cowen and Company Rating System until May 25, 2013

Outperform (1): Stock expected to outperform the S&P 500

Neutral (2): Stock expected to perform in line with the S&P 500

May 13, 2015

Underperform (3): Stock expected to underperform the S&P 500

Assumptions: Time horizon is 12 months; S&P 500 is flat over forecast period

#### Cowen Securities, formerly known as Dahlman Rose & Company, Rating System until May 25, 2013

Buy – The fundamentals/valuations of the subject company are improving and the investment return is expected to be 5 to 15 percentage points higher than the general market return

Sell – The fundamentals/valuations of the subject company are deteriorating and the investment return is expected to be 5 to 15 percentage points lower than the general market return

**Hold** – The fundamentals/valuations of the subject company are neither improving nor deteriorating and the investment return is expected to be in line with the general market return

#### **Cowen And Company Rating Definitions**

Distribution of Ratings/Investment Banking Services (IB) as of 03/31/15

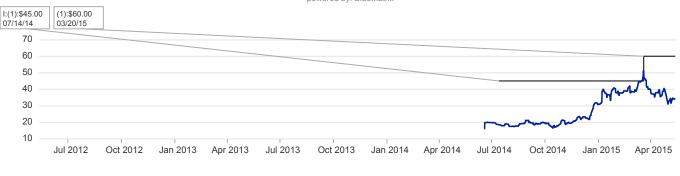
Rating	Count	Ratings Distribution	Count	IB Services/Past 12 Months
Buy (a)	450	58.67%	103	22.89%
Hold (b)	302	39.37%	8	2.65%
Sell (c)	15	1.96%	0	0.00%

(a) Corresponds to "Outperform" rated stocks as defined in Cowen and Company, LLC's rating definitions. (b) Corresponds to "Market Perform" as defined in Cowen and Company, LLC's ratings definitions. (c) Corresponds to "Underperform" as defined in Cowen and Company, LLC's ratings definitions.

Note: "Buy", "Hold" and "Sell" are not terms that Cowen and Company, LLC uses in its ratings system and should not be construed as investment options. Rather, these ratings terms are used illustratively to comply with FINRA and NYSE regulations.

#### Zafgen Rating History as of 05/12/2015

powered by: BlueMatrix





#### BioMarin Pharmaceutical Rating History as of 05/12/2015

powered by: BlueMatrix



Closing Price Target Price

Zafgen May 13, 2015

#### Gilead Sciences Rating History as of 05/12/2015





#### Portola Pharmaceuticals Rating History as of 05/12/2015





#### **Legend for Price Chart:**

I = Initiation | 1 = Outperform | 2 = Market Perform | 3 = Underperform | UR = Price Target Under Review | T = Terminated Coverage | \$xx = Price Target | NA = Not Available | S=Suspended

# Zafgen

#### May 13, 2015

# Points Of Contact

#### **Analyst Profiles**



Phil Nadeau, Ph.D. New York 646.562.1336 phil.nadeau@cowen.com

Phil Nadeau is a senior analyst covering biotech. He has been at Cowen for 12 years. Phil holds an SB/M.Eng from MIT, and a Ph.D. from Harvard.



Jeff Chen, Ph.D. New York 646.562.1417 jeff.chen@cowen.com

Jeff Chen is an associate covering the biotechnology sector. He joined Cowen in March 2014.

## **Reaching Cowen**

#### **Main U.S. Locations**

# **New York** 599 Lexington Avenue New York, NY 10022

646.562.1000 800.221.5616

#### Atlanta

3399 Peachtree Road NE Suite 417

Atlanta, GA 30326 866.544.7009

#### Boston

Two International Place Boston, MA 02110 617.946.3700 800.343.7068

#### Chicago

181 West Madison Street **Suite 3135** Chicago, IL 60602

#### Cleveland

20006 Detroit Road Suite 100 Rocky River, OH 44116 440.331.3531

#### San Francisco

555 California Street, 5th Floor San Francisco, CA 94104 415.646.7200 800.858.9316

#### **International Locations**

#### **Cowen International** Limited

#### London

1 Snowden Street - 11th Floor London EC2A 2DQ United Kingdom 44.20.7071.7500

#### Cowen and Company (Asia) Limited

#### **Hong Kong**

312.577.2240

Suite 1401 Henley Building No. 5 Queens Road Central Central, Hong Kong 852 3752 2333





