

Tetralogic Pharmaceuticals

TLOG - BUY - Ph.Ib Activity for Birinapant Combined with Azacitidine in MDS

BRET HOLLEY, PH.D., ANALYST

bret.holley@guggenheimpartners.com
212 293 2820

FLASH NOTE

SECTOR: Biotechnology

May 27, 2014

On 5/27, TLOG (Buy, \$4.17) reported initial Ph.Ib safety/efficacy results for birinapant in combination with azacitidine in azacitidine naive/relapsed MDS. We believe the data, although early, show encouraging activity for the combination, with 3/9 patients achieving substantial bone marrow blast count reductions. Notably, two of these patients had prior therapy with azacitidine, including one patient who was refractory to the drug. We believe the activity seen in these advanced MDS patients is preliminary evidence for synergy between birinapant and azacitidine, consistent with TLOG's preclinical results. Although there was frequent (~50%) skin toxicity (injection site cellulitis) seen with the combination in the Ph.Ib portion of the trial, TLOG reports that this toxicity did not occur in patients that transitioned to IV vs. sub-Q dosing of azacitidine. The company intends to use IV azacitidine dosing for all further trials of birinapant+azacitidine, which we believe should substantially mitigate cutaneous side effects.

Based on the results, TLOG plans to begin a Ph.II, randomized trial of 13/mg2 birinapant+azacitidine vs. azacitidine alone in front-line, high risk MDS in the near-term, with interim results likely in the mid-'15 timeframe. According to the company, the Ph.II efficacy objective is an ~20% improvement in response rate for the combination compared to single-agent azacitidine. We believe this is a reasonable goal, given the Ph.Ib/preclinical results for birinapant+azacitidine.

We view the Ph.Ib results positively, and we continue to believe TLOG is substantially undervalued on birinapant's potential in MDS and ovarian cancer. We believe the next major catalyst for TLOG will be the first Ph.I ovarian cancer results for birinapant +conatumumab in Sept., and we would position in the stock ahead of these results.

ANALYST CERTIFICATION

By issuing this research report, each Guggenheim Securities, LLC ("Guggenheim Securities") research analyst whose name appears in this report hereby certifies that (i) all of the views expressed in this report accurately reflect the research analyst's personal views about any and all of the subject securities or issuers discussed herein and (ii) no part of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst.

IMPORTANT DISCLOSURES

The research analyst(s) and research associate(s) have received compensation based upon various factors, including quality of research, investor client feedback, and Guggenheim Securities, LLC's overall revenues, which includes investment banking revenues.

Guggenheim Securities, LLC managed or co-managed a public offering of securities for Tetralogic Pharmaceuticals during the past 12 months.

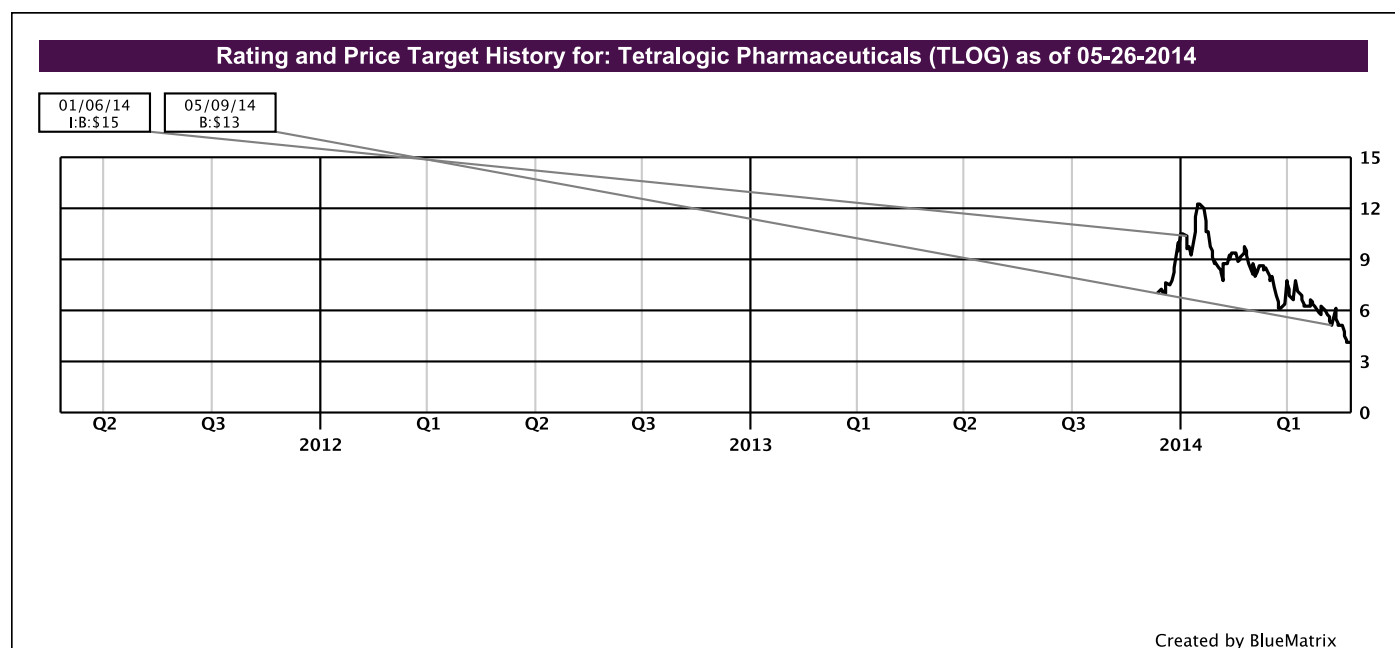
Guggenheim Securities, LLC makes a market in the securities or derivatives Tetralogic Pharmaceuticals.

Tetralogic Pharmaceuticals is or was during the 12-month period preceding the date of the distribution of this report a client of Guggenheim Securities, LLC. Guggenheim Securities, LLC provided Tetralogic Pharmaceuticals investment banking services.

Guggenheim Securities, LLC or its affiliates received compensation for investment banking services from Tetralogic Pharmaceuticals during the past 12 months.

Guggenheim Securities, LLC or its affiliates expect(s) to receive or intend(s) to seek compensation for investment banking services from Tetralogic Pharmaceuticals in the next 3 months.

Please refer to this website for company-specific disclosures referenced in this report: <https://guggenheimsecurities.bluematrix.com/sellside/Disclosures.action>. Disclosure information is also available from Compliance, 330 Madison Avenue, New York, NY 10017.



RATING DEFINITIONS

BUY (B) - Describes stocks that we expect to provide a total return (price appreciation plus yield) of 15% or more within a 12-month period.

NEUTRAL (N) - Describes stocks that we expect to provide a total return (price appreciation plus yield) of plus 15% or minus 15% within a 12-month period.

SELL (S) - Describes stocks that we expect to provide a total negative return (price appreciation plus yield) of 15% or more within a 12-month period.

NR - The investment rating and price target have been temporarily suspended. Such suspensions are in compliance with applicable regulations and/or Guggenheim Securities, LLC policies.

CS - Coverage Suspended. Guggenheim Securities, LLC has suspended coverage of this company.

NC - Not covered. Guggenheim Securities, LLC does not cover this company.

Restricted - Describes issuers where, in conjunction with Guggenheim Securities, LLC engagement in certain transactions, company policy or applicable securities regulations prohibit certain types of communications, including investment recommendations.

Monitor - Describes stocks whose company fundamentals and financials are being monitored, and for which no financial projections or opinions on the investment merits of the company are provided.

Guggenheim Securities, LLC methodology for assigning ratings may include the following: market capitalization, maturity, growth/value, volatility and expected total return over the next 12 months. The price targets are based on several methodologies, which may include, but are not restricted to, analyses of market risk, growth rate, revenue stream, discounted cash flow (DCF), EBITDA, EPS, cash flow (CF), free cash flow (FCF), EV/EBITDA, P/E, PE/growth, P/CF, P/FCF, premium (discount)/average group EV/EBITDA, premium (discount)/average group P/E, sum of the parts, net asset value, dividend returns, and return on equity (ROE) over the next 12 months.

RATINGS DISTRIBUTIONS FOR GUGGENHEIM SECURITIES:

Rating Category	Count	Percent	IB Serv./ Past 12Mos.	
			Count	Percent
Buy	109	54.50%	22	20.18%
Neutral	85	42.50%	5	5.88%
Sell	6	3.00%	0	0.00%

OTHER DISCLOSURES

This research is for our clients and prospective clients only. Other than disclosures relating to Guggenheim Securities and its affiliates, this research is based on current public information that we consider reliable, but we do not represent it is accurate or complete, and it should not be relied on as such. We seek to update our research as appropriate, but various regulations may prevent us from doing so. Other than certain industry reports published on a periodic basis, the large majority of reports are published at irregular intervals as appropriate in the research analyst's judgment. Guggenheim Securities conducts a full-service, integrated investment banking and brokerage business, and one or more of its affiliates conduct an investment management business. Guggenheim Securities is a member of SIPC (<http://www.sipc.org>). Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and our employees trading for our own account that reflect opinions that are contrary to the opinions expressed in this research. Guggenheim Securities or certain of its affiliates conducts an investment management business, trades for its own account, and conducts an investment business, and may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

We and our affiliates, officers, directors, and employees, excluding equity and credit analysts, will from time to time have long or short positions in, act as principal in, and buy or sell, the securities or derivatives, if any, referred to in this research. We and our affiliates also may sell to or buy from customers on a principal basis the securities described herein. We and our affiliates also do business with, or that relates to, companies covered in Guggenheim Securities' research, and may have a position in the debt of the company or companies discussed herein.

This research is not an offer to sell or the solicitation of an offer to buy any security. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Clients should consider whether any advice or recommendation in this research is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. The price and value of investments referred to in this research and the income from them may fluctuate. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments.

TACTICAL TRADING IDEA DISCLAIMER

Guggenheim Securities, LLC produces "Tactical Trade Ideas" that identify short-term, catalyst-driven trading opportunities impacting companies within the Firm's coverage universe. Tactical Trade Ideas may exist on companies in this report and may be contrary to the analyst's published rating.

Copyright © 2014 by Guggenheim Securities, LLC, ("Guggenheim") a FINRA registered broker-dealer. All rights reserved. The contents of this report are based upon information or are obtained from sources that Guggenheim generally considers reliable, but Guggenheim makes no representations or warranties with respect to their accuracy, completeness, timeliness, suitability or otherwise, and assumes no responsibility to update them for subsequent events or knowledge. Guggenheim is not responsible for your use of this information.

Contact Information

NEW YORK SALES & TRADING DESK
212 292 4700

EQUITY TRADING DESK
212 292 4701

MEDIA INQUIRIES
310 367 6567

EMAIL
general@guggenheimcm.com

Locations

NEW YORK
330 Madison Avenue
New York, NY 10017

WASHINGTON, DC
1055 Thomas Jefferson Street, NW
Suite 450
Washington, DC 20007

BOSTON
500 Boylston Street, 13th Floor
Boston, MA 02116

LOS ANGELES
601 South Figueroa Street
Suite 4005
Los Angeles, CA 90017

DALLAS
1717 McKinney Avenue
Suite 870
Dallas, TX 75202

SAN FRANCISCO
50 California Street
Suite 1515
San Francisco, CA 94111

NASHVILLE
104 Woodmont Blvd
Suite 203
Nashville, TN 37205

HERNANDO
1288 Byhalia Road
Suite 2
Hernando, MS 38632

RICHMOND
919 East Main Street
Suite 1605
Richmond, VA 23219

Guggenheim Equity Research

ENERGY: EXPLORATION & PRODUCTION
Rob Cordray, Analyst
robert.cordray@guggenheimpartners.com
972 638 5509

Steven Hader, Associate
steven.hader@guggenheimpartners.com
972 638 5507

ENERGY: OIL SERVICES & EQUIPMENT
Darren Gacicia, Analyst
darren.gacicia@guggenheimpartners.com
212 293 3054

Michael LaMotte, Analyst
michael.lamotte@guggenheimpartners.com
972 638 5502

Wilson Waggoner, Associate
wilson.waggoner@guggenheimpartners.com
972 638 5506

**FINANCIAL SERVICES:
LARGE-CAP BANKS**

Marty Mosby, Analyst
marty.mosby@guggenheimpartners.com
662 469 9595

Mason Mosby, Associate
mason.mosby@guggenheimpartners.com
662 469 9194

**FINANCIAL SERVICES: BUSINESS
DEVELOPMENT COMPANIES**
Rahul Agarwal, Analyst
rahul.agarwal@guggenheimpartners.com
615 208 1221

**FINANCIAL SERVICES: REGIONAL &
COMMUNITY BANKS, CARD NETWORKS**
Taylor Brodarick, Analyst
taylor.brodarick@guggenheimpartners.com
615 208 1222

David Darst, Analyst
david.darst@guggenheimpartners.com
615 208 1224

FINANCIAL SERVICES: INSURANCE
Bijan Moazami, Analyst
bijan.moazami@guggenheimpartners.com
202 747 9466

Marshall Coltrain, Associate
marshall.coltrain@guggenheimpartners.com
202 747 9456

HEALTHCARE: BIOTECH
Bret Holley, Analyst
bret.holley@guggenheimpartners.com
212 293 2820

HEALTHCARE: PHARMACEUTICALS
Louise Chen, Analyst
louise.chen@guggenheimpartners.com
212 381 4195

Swati Kumar, Associate
swati.kumar@guggenheimpartners.com
212 918 8754

Brandon Folkes, Associate
brandon.folkes@guggenheimpartners.com
212 518 9976

RETAIL & CONSUMER
John Heinbockel, Analyst
john.heinbockel@guggenheimpartners.com
212 381 4135

Steven Forbes, Associate
steven.forbes@guggenheimpartners.com
212 381 4188

**TMT: MEDIA & ENTERTAINMENT,
CABLE & SATELLITE TV**
Michael Morris, Analyst
michael.morris@guggenheimpartners.com
804 253 8025
Curry Baker, Associate
curry.baker@guggenheimpartners.com
804 253 8029