

QUARTERLY UPDATE

August 13, 2015

Stock Rating:

OUTPERFORM

12-18 mo. Price Target	\$38.00
TKAI - NASDAQ	\$11.68

3-5 Yr. EPS Gr. Rate	NA
52-Wk Range	\$30.00-\$9.67
Shares Outstanding	22.4M
Float	5.3M
Market Capitalization	\$263.4M
Avg. Daily Trading Volume	141,216
Dividend/Div Yield	NA/NM
Book Value	NA
Fiscal Year Ends	Dec
2015E ROE	NA
LT Debt	NA
Preferred	NA
Common Equity	NA
Convertible Available	No
Trading range is as of 9/23/14 IPO.	

Diluted	Q1	Q2	Q3	Q4	Year	Mult.
2014A	NA	NA	(2.71)	(0.28)	(3.60)	NM
2015E	(0.59)A	(0.40)A	(0.40)	(0.44)	(1.83)	NM
Prior (E)	(0.30)	(0.34)	(0.47)	(0.51)	(1.62)	NM
2016E					(1.66)	NM
Prior (E)					(2.15)	NM

HEALTHCARE/BIOTECHNOLOGY

Tokai Pharmaceuticals, Inc.

2Q15 Update, Phase III ARMOR3 Trial On Track

SUMMARY

TKAI reported 2Q15 EPS of (\$0.40), better than the consensus estimate of \$(0.50) and lower than our estimate of (\$0.34), primarily due to lower than projected R&D expenses. The company ended 2Q15 with cash & equivalents of $\sim \$83.2$ M, which should be sufficient to fund operations into 2017, beyond the data readout from the phase III ARMOR3 trial. Management reiterated that the pivotal phase III trial of galeterone in AR-V7 positive metastatic castration-resistant prostate cancer should be on track to report top-line data by YE16.

KEY POINTS

- Phase III ARMOR3 trial update. The ARMOR3 trial is the first biomarker-guided pivotal trial in CRPC. The diagnostic test is being deployed. We expect the trial to start screening patients this quarter. With ∼120 sites worldwide, TKAI continues to expect to report top-line data from the ARMOR3 trial by YE16.
- Updating model. TKAI reported 2Q15 EPS of (\$0.40) vs. our estimate of (\$0.34) and consensus (\$0.50). 2Q15 cash & equivalents were \$83.2M, which should be sufficient to fund operations into 2017 after the readout of the ARMOR3 trial. Our updated EPS estimates are (\$1.83) and (\$1.66) for 2015 and 2016, respectively, reflecting 2Q15 results.



1 Year Price History for TKAI 18 16 14 12 22 23 2015 Created by BlueMarix

Company Description

Tokai Pharmaceuticals, Inc., a clinicalstage biopharmaceutical company, focuses on developing novel proprietary therapies for the treatment of prostate cancer and other hormonally driven diseases in the US.

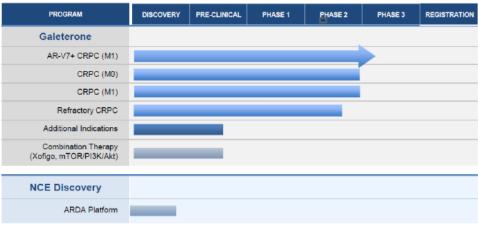
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Ling Wang, CFA 212 667-8564 Ling.Wang@opco.com

Upcoming Catalysts

- ✓ Potential to initiate the phase III ARMOR3 trial in frontline M1 CRPC patients with detectable AR-V7 in CTC (1H15)
- Potential to report interim futility analysis from the pivotal phase III ARMOR3 trial
 of galeterone in patients with AR-V7+ tumors (mid-2016)
- Potential to report top line data from the pivotal phase III ARMOR3 trial of galeterone in patients with AR-V7+ tumors (YE16)
- Potential business development activities for galeterone (TBD)

Pipeline Programs



Source: Company Report

Financial Models

Tokai Pharmaceuticals, Inc. Income Statement & Financial Projections (Figures in thousands, except per share items) 2012A 1Q15A 2Q15A 3Q15E 4Q15E 2015E 2016E 2013A 2014A Revenue Operating expenses: 26,500 7.370 12.201 14.577 10.559 5,855 6,031 7,000 29,445 Research and development 11,818 General and administrative 2,279 3,548 8,885 2,741 3,127 2,950 3,000 12,409 Total operating expenses 9,649 15,749 23,462 13,300 8,982 8,981 10,000 41,263 38,909 (41,263) (8,981) (10,000) (38,909) Loss from operations (9,649) (15,749) (23,462) (13,300) (8,982) Other income 24 166 40 25 34 30 129 100 Net loss and comprehensive loss (9.649)(15,725) (23,296) (13,260) (8,957)(8,947) (9,970) (41,134) (38,809) Accretion of redeemable convertible preferred stock to redemption (34)(94) Net loss attributable to common stockholders (9,683)(15,819) (23, 296)(13,260)(8,957)(8.947)(9,970)(41, 134)(38,809)EPS, basic and diluted (\$31.09) (\$38.02) (\$3.60) (\$0.59)(\$0.40)(\$0.40)(\$0.44)(\$1.83) (\$1.66) Common shares outstanding, basic and diluted 311,474 416,037 6,469 22,384 22,421 22,533 22,646 22,496 23,325

Sources: Company Reported and Oppenheimer & Co.Inc.



Investment Thesis

TKAI's flagship compound galeterone addresses a clear unmet medical need in prostate cancer, i.e., patients with tumor-expressing androgen receptor (AR) split variants (in particular, AR-V7) for whom recently approved novel agents such as Zytiga and Xtandi are not expected to work potentially due to the loss of ligand binding domain (LBD). We view TKAI as a highly favorable biotech name, given a clear pathway for approval, a high probability of phase III success, large market opportunity and no foreseeable competition.

Price Target Calculation

Our 12- to 18-month price target of \$38 is primarily based on the risk-adjusted NPV of galeterone of ~\$923M (~\$38/share). We project galeterone 2023 US sales of \$1.2B and ex-US sales of ~\$748M (royalty rate of ~20% in ex-US sales). We use a typical biotech revenue multiple of 5x, royalty multiple of 10x, a probability of success of 75%, and a discount rate of 30% (which reflects the development stage of the company) to derive the risk-adjusted NPV of galeterone.

Key Risks to Price Target

We view clinical risks associated with galeterone as the main risk for TKAI. Other risks include regulatory risks, financing risk, and commercialization risk.

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Distribution of Rating				
			IB Serv/Pa	st 12 Mos.
Rating	Count	Percent	Count	Percent
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PERFORM [P]	251	42.69	89	35.46
UNDERPERFORM [U]	7	1.19	3	42.86

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