



# Rating OUTPERFORM\* [V] Price (19 Nov 14, US\$) 37.33 Target price (US\$) 54.00¹ 52-week price range 41.51 - 26.17 Market cap. (US\$ m) 777.18 Enterprise value (US\$ m) 680.48

\*Stock ratings are relative to the coverage universe in each analyst's or each team's respective sector.

<sup>1</sup>Target price is for 12 months.

[V] = Stock considered volatile (see Disclosure Appendix).

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# ZS Pharma, Inc. (ZSPH)

**SMALL & MID CAP RESEARCH** 

# Reiterate Outperform Following Reassuring Analyst Day

- **Details from ZS004 study encouraging.** ZSPH used its Analyst Day to provide investors with some needed perspective on the rates of edema (swelling) with their main asset ZS-9. Taken in totality, the data suggest to us the issue of edema should not be overly concerning to regulators or clinicians. In combination with the drug's rapid and consistent efficacy, we see ZS-9's safety and tolerability allowing it to be a best-in-class asset in the hyperkalemia (high potassium) market. We continue to see an 80% likelihood of approval for ZS-9, and forecast peak probability-adjusted sales of \$930MM.
- Edema rates less concerning when put into context. While there were elevated rates of edema seen in the higher dose arms of the ZS004 study that was released on Monday, the details provided by the company from the entire ZS-9 development program (Exhibit 1) lead us to believe Monday's data were a red herring due more to chance in a relatively small phase 3 study. Most notably, edema rates (cases of edema per patient days of exposure) of 0.00066 in ZS004E and 0.00016 in ZS005 (as compared to 0.00089 in the placebo group of ZS004) point to edema not being a long-term safety concern with the product.
- 003 study publication, US/EU filings next key catalysts. The company expects the final results from the ZS003 study to be published in a peer-reviewed medical journal in the near future. This will be followed by regulatory submission of ZS-9 in 1H 2015, setting the stage for approval and launch in 1H 2016.

## Financial and valuation metrics

Year	12/13A	12/14E	12/15E	12/16E
EPS (CS adj.) (US\$)	-3.17	-3.69	-3.13	-0.68
Prev. EPS (US\$)	_	_	_	_
P/E (x)	-11.8	-10.1	-11.9	-55.3
P/E rel. (%)	-68.6	-63.5	-83.2	-430.6
Revenue (US\$ m)	_	_	_	117.9
EBITDA (US\$ m)	-31.5	-48.0	-67.0	-12.0
OCFPS (US\$)	-2.56	-3.02	-2.78	-0.43
P/OCF (x)	_	-12.4	-13.4	-86.8
EV/EBITDA (current)	-20.6	-13.5	-9.7	-54.0
Net debt (US\$ m)	-9	-97	-124	-103
ROIC (%)	1,217.16	-588.09	-482.62	-67.35
Number of shares (m)	20.82	IC (current, US\$ m)		-2.64
BV/share (Next Qtr., US\$)	5.6	EV/IC (x)		109.5
Net debt (Next Qtr., US\$ m)	-110.9	Dividend (current, L	JS\$)	_
Net debt/tot eq (Next Qtr., %)	-94.8	Dividend yield (%)	•	8.0
Source: Company data, Credit Suisse estimates				

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# **Exhibit 1: Details on Edema Rate**

## **Edema Rate Across Phase 3 Studies**

	Edema Rate (Cases Edema per Patient Days Exposure)
ZS003 placebo group	0.00011
ZS003 treatment group (5g, 10g)	0.00016
ZS004 placebo group	0.00089
ZS004E open-label study (5g, 10g, 15g) - Ongoing; Exposure: 15,050 patient days	0.00066
ZS004E 15g dose	0.0000
ZS005 open-label study (5g, 10g, 15g*) - Ongoing; Exposure: 6,230 patient days  * No one titrated to 15g	0.00016

# **Safety Information**

Edema numerically higher in ZS 15g dose

	PBO (n = 85)	ZS 5mg (n = 45)	ZS 10mg (n = 51)	ZS 15mg (n = 56)
Reported AE Needed adjustment	2 (2%)	1 (2%)	3 (6%)	8 (14%)
in diuretic therapy	2/2	0/1	0/3	5/8

7 out of 14 edema patients did not require treatment 13 of edema patients had peripheral edema and successfully completed the study

# In 15g dose:

7 out of 8 had peripheral edema (majority was foot/ankle edema) 1 out of 8 had generated edema (74 y/o patient with eGFR <30, baseline BP 193/71 developed generalized edema after diuretic stopped by family MD shortly before study enrollment

Source: Company data



# Companies Mentioned (Price as of 19-Nov-2014)

ZS Pharma, Inc. (ZSPH.OQ, \$37.33, OUTPERFORM[V], TP \$54.0)

# Disclosure Appendix

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# 3-Year Price and Rating History for ZS Pharma, Inc. (ZSPH.OQ)

ZSPH.OQ	Closing Price	Target Price	
Date	(US\$)	(US\$)	Rating
18-Jun-14	28.38		R
14-Jul-14	30.49	51.00	0 *
01-Sep-14	40.29	54.00	

<sup>\*</sup> Asterisk signifies initiation or assumption of coverage.



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Price Target: (12 months) for ZS Pharma, Inc. (ZSPH.OQ)

Method: Our \$54 target price for ZSPH is based on discounted cash flow valuation. We use a 11.5% weighted average cost of capital and forecast discounted cash flows through 2033, with no terminal value thereafter.

Risks: Risks to our \$54 target price for ZSPH are (1) clinical setbacks, (2) poor execution, and (3) earlier-than-expected generic competition for ZS-9.

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