

## ZS Pharma Inc

### COMPANY AND PIPELINE OVERVIEW REPORT

A comprehensive coverage of the company and a summary of the drug pipeline portfolio.

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## ABOUT COMPANY AND PIPELINE OVERVIEW REPORT

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## GLOSSARY

### Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

### Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

### Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

### Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

### Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

### Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

### Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

### Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

### Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

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**PLEASE NOTE:** the financials section where present in the report includes: Share Information, Stock Performance chart (including the consensus recommendation), and Major Shareholders. Financial Performance presents graphical and tabular data on Worldwide Sales, Operating Income and Net Income over time, together with a Quarterly earnings update. Balance Sheet lists Assets, Liabilities and Stockholders Equity, and Forecasts includes: EPS Forecast and Other Forecasts. The data reported in all sections (except share information and major stock holders) are correct as of the publication date of the report (and not the download date). For share information and major stock holders the data is correct for the date shown with these sections

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# ZS Pharma Inc

## COMPANY OVERVIEW

Company Name	ZS Pharma Inc
Parent Company Name	ZS Pharma Inc
Website	http://www.zspharma.com/
Country	US
Number of Drugs in Active Development	1
Number of Inactive Drugs	0
Number of Patents as Owner	4
Number of Patents as Third Party	0
Number of Deals	0
Key Indications	Hyperkalemia,Hyperphosphatemia,Hyperammonemia,Bladder disease,End stage renal disease,Heart disease
Key Target-based Actions	
Key Technologies	Oral absorption enhancer,Oral formulation,Small molecule therapeutic,Crystalline form,Microparticle formulation,Tablet formulation,Capsule formulation,Formulation powder

## COMPANY PROFILE

### SUMMARY

ZS Pharma Inc, a private specialty pharmaceutical company, founded in 2008 is focused on the development and commercialization of oral sorbent technology in therapeutic areas of kidney and liver disease.

### FINANCIAL

In July 2014, ZS Pharma secured a debt facility of up to \$20 million with MidCap Financial. At that time, the company had drawn \$10 million, under the agreement.

In June 2014, the company priced its IPO of 5,944,444 shares of its common stock at \$18 per share that begun trading on the NASDAQ Global Market under the symbol 'ZSPH'. The underwriters were granted a 30-day option to purchase an additional 891,667 shares of common stock. At that time, the offering was expected to close on or about June 23, 2014. Later that month, the company raised approximately \$112 million through the IPO of 6,836,111 shares of common stock and additional shares allotted. At that time, the offering was closed.

In March 2014, ZS Pharma raised \$55 million in a series D financing round.

In October 2012, ZS pharma raised \$46 million in a series C financing round.

## COMPANY FINANCIALS

### SHARE INFORMATION

Close Price (USD)	42.51
Change (USD)	2.42 (6.04%)
Previous Close Price (USD)	40.09
Volume	390,254

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<b>52-Week High (USD)</b>	49.77
<b>52-Week Low (USD)</b>	25.51
<b>Date</b>	16-Jan-2015
<b>Exchange</b>	NASDAQ(COMPOSITE)
<b>Current Number of Shares Outstanding</b>	20,819,299
<b>Current Market Capitalization</b>	885,028,400
<b>EPS (Date Reported)</b>	-1.65468

## STOCK PERFORMANCE



## MAJOR SHAREHOLDERS

Shareholder	Type	Country	Shares held	% of shares held	Change in holding	% changes in shares held	Date
Fidelity Management & Research Company	Investment Advisor	United States	2,862,361	13.75	1,600,800	1.27	31-Dec-2014
Fidelity Select Biotechnology Portfolio	Mutual Fund	United States	1,202,575	5.78	132,200	0.12	30-Nov-2014
iShares NASDAQ	Mutual	United	243,466	1.17	243,466	1	31-Dec-2014

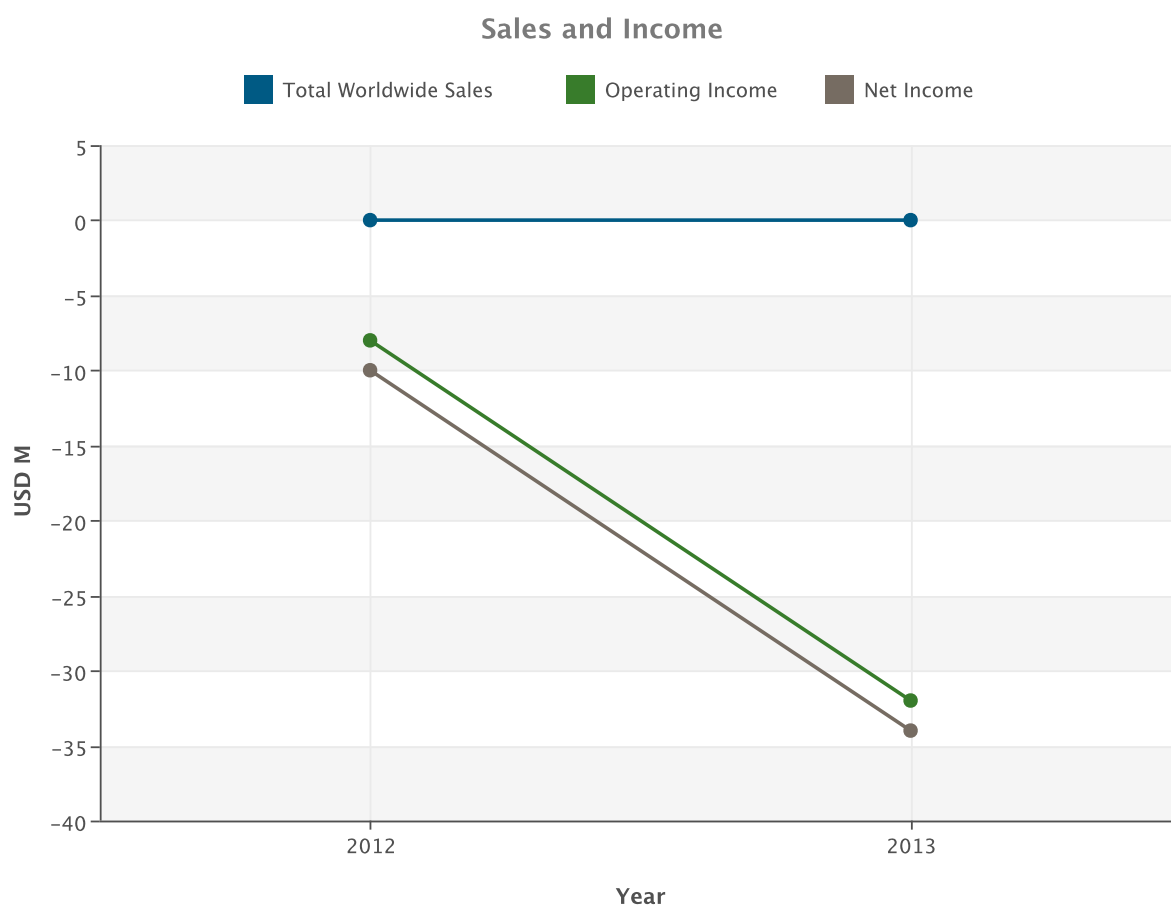
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Biotechnology ETF	Fund	States					
Fidelity Advisor Biotechnology Fund	Mutual Fund	United States	216,586	1.04	25,400	0.13	30-Nov-2014
Vanguard Total Stock Market Index Fund	Mutual Fund	United States	117,535	0.56	0	0	30-Nov-2014
iShares Russell 2000 ETF	Mutual Fund	United States	116,694	0.56	116,694	1	31-Dec-2014
Vanguard Small-Cap Index Fund	Mutual Fund	United States	109,354	0.53	44	0	30-Nov-2014
Vanguard Small-Cap Growth Index Fund	Mutual Fund	United States	72,034	0.35	-1,100	-0.02	30-Nov-2014
iShares Russell 2000 Growth ETF	Mutual Fund	United States	44,911	0.22	44,911	1	31-Dec-2014
AST Small-Cap Growth Portfolio	Mutual Fund	United States	46,374	0.22	0	0	31-Oct-2014
Principal SmallCap Growth Fund I	Mutual Fund	United States	39,260	0.19	0	0	30-Nov-2014
Forward Growth Fund	Mutual Fund	United States	36,730	0.18	0	0	30-Nov-2014
Columbia Active Portfolios Multi Manager Small Cap Equity Fu	Mutual Fund	United States	28,274	0.14	1,540	0.06	30-Nov-2014
Dreyfus Select Managers Small Cap Growth Fund	Mutual Fund	United States	30,054	0.14	899	0.03	31-Oct-2014
Vanguard Extended Market Index Fund	Mutual Fund	United States	23,000	0.11	4,700	0.26	30-Nov-2014
Fidelity Spartan Extended Market Index Fund	Mutual Fund	United States	21,422	0.1	5,619	0.36	30-Nov-2014
JPMorgan Small Cap Value Fund	Mutual Fund	United States	17,500	0.08	400	0.02	30-Nov-2014
VALIC Co I Health Sciences Fund	Mutual Fund	United States	14,200	0.07	4,500	0.46	30-Nov-2014
John Hancock Funds II - Health Sciences Fund	Mutual Fund	United States	12,100	0.06	2,400	0.25	30-Nov-2014
Target Portfolio Trust-Small Capitalization Growth	Mutual Fund	United States	10,830	0.05	2,310	0.27	31-Oct-2014

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## FINANCIAL PERFORMANCE



	2012	2013			
<b>Sales (USD M)</b>	0	0			
<b>Operating Income (USD M)</b>	-8.137	-32.194			
<b>Net Income (USD M)</b>	-10.455	-34.286			

### Quarterly earnings update

Period	Sales (USD M)	Operating Income (USD M)	Net Income (USD M)
2014 Q3	0	-16.622	-16.863
2014 Q2	0	-14.53	-16.428
2014 Q1	0	-9.276	-10.748
2013 Q3	0	-9.362	-9.565
2013 Q2	0	-7.307	-7.487
2013 Q1	0	-5.124	-5.396

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## BALANCE SHEET

### Assets (USD M)

	2012	2013			
Cash & Short Term Investments	24.401	9.32			
Inventories - Total	0	0			
Current Assets - Total	24.411	9.397			
Property, Plant And Equipment - Net	1.204	4.625			
Other Assets - Total	0	0.024			
Total Assets	25.615	14.046			

### Liabilities (USD M)

	2012	2013			
Accounts Payable	0.912	1.489			
Short Term Debt & Current Portion Of Long Term Debt	0.147	0.073			
Current Liabilities - Total	1.595	4.676			
Long Term Debt	1.316	2.667			
Other Liabilities	0	0.184			
Total Liabilities	2.911	7.594			

### Stockholders Equity (USD M)

	2012	2013			
Minority Interest	0	0			
Preferred Stock	40.505	55.605			
Common Stock	0.002	0.002			
Total Liabilities & Shareholders' Equity	25.615	14.046			

## FORECASTS

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EPS Forecast

Year ending	Current Forecast	1 month ago	3 months ago
31-Dec-2015	-3	-3.06	-3.08
31-Dec-2016	-3.33	-3.16	-3.18
31-Dec-2017	0	0.27	0.26

Other Forecasts

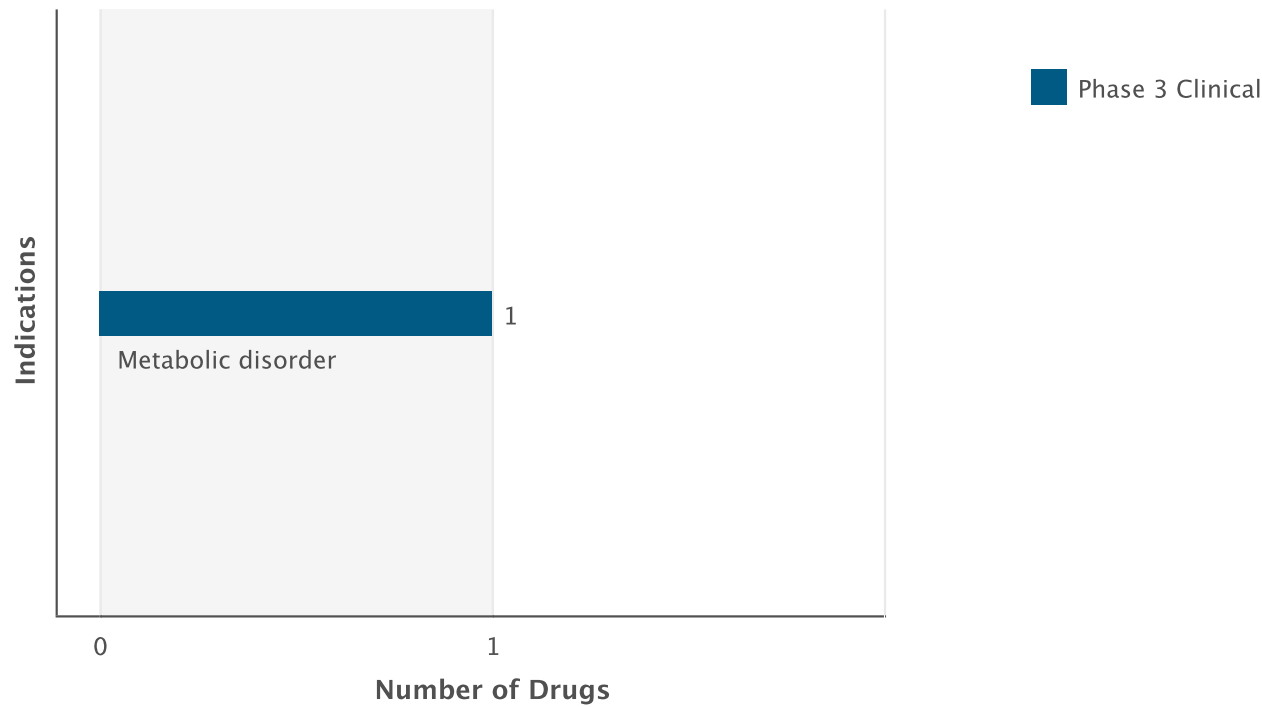
Year ending	DPS	CPS	Pretax	Sales
31-Dec-2015	0	-2.96	-68.85	0
31-Dec-2016	0	0.01	-47.38	57.75
31-Dec-2017			26.01	182.62

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart

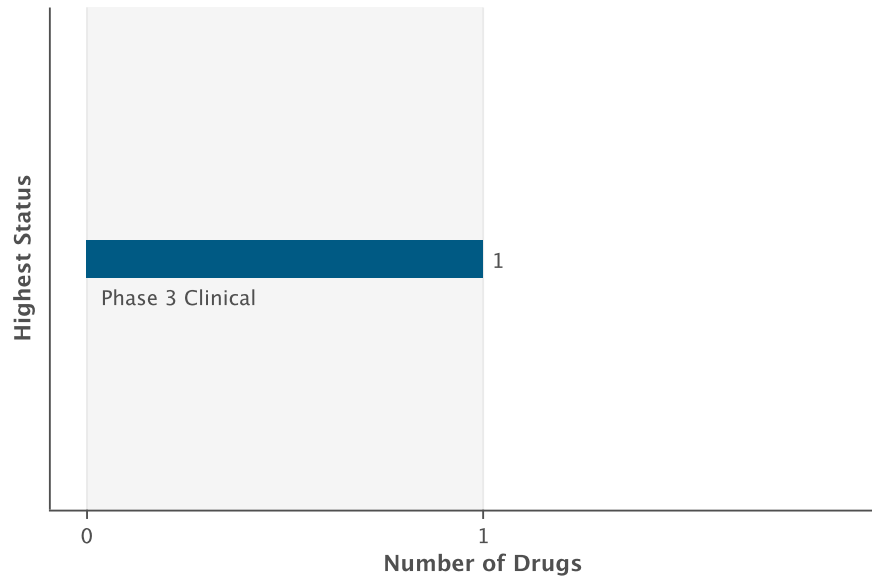


## Drugs by Indication Table

Indication	Active	Inactive	Total
Metabolic disorder	1	0	1

## Drugs by Highest Status

### Active Drugs by Highest Status Chart



## Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 3 Clinical	1

## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Metabolic disorder	1	6
Genitourinary disease	0	1

### Trials by Phase

Phase	Ongoing	All
Phase 4	0	1
Phase 3	1	4
Phase 2	0	1

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## Phase Definitions

### Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

### Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

### Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

## PATENTS \*

Indication	As Owner	As Third Party	Total
Cardiovascular disease	1	0	1
Genitourinary disease	1	0	1
Metabolic disorder	5	0	5

\* This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

## PRODUCT PORTFOLIO DRUGS

**PLEASE NOTE:** Highest status refers to highest development of that drug for one of the active companies

### sodium zirconium cyclosilicate

Drug Name	sodium zirconium cyclosilicate
Key Synonyms	sodium zirconium cyclosilicate
Originator Company	ZS Pharma Inc
Active Companies	ZS Pharma Inc
Inactive Companies	
Highest Status	Phase 3 Clinical
Active Indications	Hyperkalemia, Hyperammonemia, Hyperphosphatemia
Target-based Actions	
Other Actions	Nitrogen metabolism modulator, Potassium metabolism modulator
Technologies	Oral formulation, Oral absorption enhancer, Small molecule therapeutic
Last Change Date	16-Dec-2014

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