

Minerva Neurosciences 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 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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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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Minerva Neurosciences Inc

COMPANY OVERVIEW

Company Name	Minerva Neurosciences Inc
Parent Company Name	Minerva Neurosciences Inc
Website	http://minervaneurosciences.com/
Country	US
Number of Drugs in Active Development	4
Number of Inactive Drugs	0
Number of Patents as Owner	3
Number of Patents as Third Party	0
Number of Deals	3
Key Indications	Depression, Schizophrenia, Insomnia, Parkinsons disease, Sleep disorder, Alzheimers disease, Anxiety disorder, Attention deficit-disruptive behaviour disorder, Bipolar disorder, Cognitive disorder, Delusion, Drug dependence, HIV associated dementia, Hallucination, Hyperactivity, Hypomania, Lewy body dementia
Key Target-based Actions	Orexin 2 receptor antagonist,5-HT 2a receptor antagonist,Opioid receptor sigma antagonist 2,5-HT 1a receptor antagonist
Key Technologies	Formulation solid,Small molecule therapeutic,Systemic formulation unspecified

COMPANY PROFILE

SUMMARY

Minerva Neurosciences, formed by the merger of Cyrenaic and SONKEI pharmaceuticals, in November 2013, is focused on the development and commercialization of drugs for the treatment of CNS diseases.

FINANCIAL

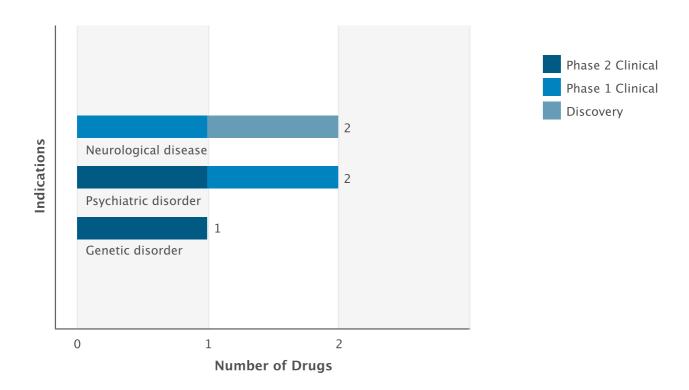
In June 2014, Minerva announced its initial public offering of 5,454,545 shares of its common stock priced at \$6.00 per share and at that time, the underwriters were granted a 30-day option to purchase up to 818,181 additional shares of common stock at the same price. The offering was expected to close on July 07, 2014. In July 2014, the shares began trading on the NASDAQ global market under the symbol "NERV". In July 2014, the IPO was completed. By August 2014, the company had also sold approximately 0.7 million shares in a private placement. The net proceeds from the IPO and private placement were approximately \$29.9 million.

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PRODUCT PORTFOLIO SUMMARY DRUGS

Drugs by Indication

Active Drugs by Indication Chart



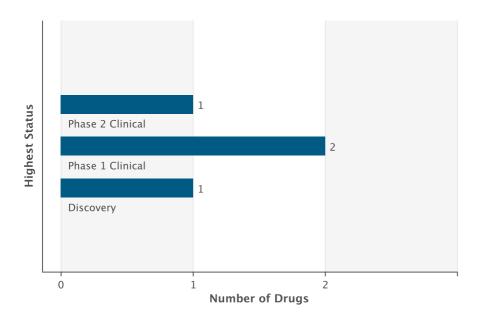
Drugs by Indication Table

Indication	Active	Inactive	Total
Psychiatric disorder	2	0	2
Neurological disease	2	0	2
Genetic disorder	1	0	1

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Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 2 Clinical	1
Phase 1 Clinical	2
Discovery	1

DEALS

Deal Type		cipal Inactive		tner Inactive	Total
Drug - Development/Commercialization License	1	0	2	0	3

CLINICAL TRIALS

Trials by Condition Studied

Condition Studied	Ongoing	All
Genetic disorder	0	1
Psychiatric disorder	0	1



Trials by Phase

Phase	Ongoing	All
Phase 2	0	1
Phase 1	1	1
Phase not specified	0	1

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

PATENTS *

Indication	As Owner	As Third Party	Total
Degeneration	1	0	1
Psychiatric disorder	3	0	3
Genetic disorder	2	0	2
Neurological disease	3	0	3
Toxicity and intoxication	1	0	1

^{*} 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

MIN-101

Drug Name	MIN-101
Key Synonyms	
Originator Company	Mitsubishi Chemical Holdings Corp
Active Companies	Minerva Neurosciences Inc
Inactive Companies	Mitsubishi Chemical Holdings Corp
Highest Status	Phase 2 Clinical
Active Indications	Schizophrenia
Target-based Actions	Opioid receptor sigma antagonist 2, 5-HT 2a receptor antagonist
Other Actions	Antipsychotic
Technologies	Oral formulation, Small molecule therapeutic
Last Change Date	04-Dec-2014

MIN-117

Drug Name	MIN-117
Key Synonyms	
Originator Company	Mitsubishi Pharma Corp
Active Companies	Minerva Neurosciences Inc
Inactive Companies	Mitsubishi Tanabe Pharma Corp, Sonkei Pharmaceuticals Inc, Mitsubishi Pharma Corp
Highest Status	Phase 1 Clinical
Active Indications	Depression
Target-based Actions	5-HT 1a receptor antagonist
Other Actions	Antidepressant, 5-HT uptake inhibitor
Technologies	Systemic formulation unspecified, Small molecule therapeutic
Last Change Date	06-Aug-2014

MIN-202

Drug Name	MIN-202
Key Synonyms	
Originator Company	Minerva Neurosciences Inc
Active Companies	Minerva Neurosciences Inc, Janssen Pharmaceutica NV
Inactive Companies	
Highest Status	Phase 1 Clinical
Active Indications	Insomnia
Target-based Actions	Orexin 2 receptor antagonist
Other Actions	
Technologies	Systemic formulation unspecified, Small molecule therapeutic, Formulation solid
Last Change Date	07-Nov-2014

MIN-301

Drug Name	MIN-301
Key Synonyms	
Originator Company	ProteoSys AG
Active Companies	Minerva Neurosciences Inc
Inactive Companies	Mind-NRG, ProteoSys AG
Highest Status	Discovery
Active Indications	Parkinsons disease
Target-based Actions	Erbb4 tyrosine kinase receptor stimulator, Neuregulin ligand
Other Actions	Neuroprotectant, Nootropic agent, Antiparkinsonian
Technologies	Injectable formulation, Biological therapeutic, Parenteral formulation unspecified, Peptide
Last Change Date	18-Apr-2014

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