

## **Marinus Pharmaceuticals Inc**

### **COMPANY AND PIPELINE OVERVIEW REPORT**

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

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#### **THOMSON REUTERS**

3 Times Square  
New York, New York 10036  
United States

Tel: +1 646 223 4000

[thomsonreuters.com](http://thomsonreuters.com)

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i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.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

## COMPANY OVERVIEW

<b>Company Name</b>	Marinus Pharmaceuticals Inc
<b>Parent Company Name</b>	Marinus Pharmaceuticals Inc
<b>Website</b>	<a href="http://www.marinuspharma.com/">http://www.marinuspharma.com/</a>
<b>Country</b>	US
<b>Number of Drugs in Active Development</b>	3
<b>Number of Inactive Drugs</b>	1
<b>Number of Patents as Owner</b>	7
<b>Number of Patents as Third Party</b>	2
<b>Number of Deals</b>	7
<b>Key Indications</b>	Central nervous system disease,Epilepsy,Fragile X syndrome,Post traumatic stress disorder,Cancer,Allergic rhinitis,Attention deficit hyperactivity disorder,Bipolar disorder,Brain injury,Inflammatory disease,Nasal polyps,Schizophrenia,Seasonal allergic rhinitis
<b>Key Target-based Actions</b>	GABA A receptor agonist,AKT1 protein kinase modulator,Alpha 1 antichymotrypsin modulator,Angiotensinogen ligand modulator,Clusterin modulator,Contactin 1 modulator,Contactin 2 modulator,Dickkopf-3 ligand modulator,ErbB2 tyrosine kinase receptor modulator,Extracellular signal related kinase-1 modulator,Extracellular signal related kinase-4 modulator,MAP kinase modulator,Monocyte differentiation antigen CD14 modulator,Neuronal cell adhesion molecule modulator,Protein kinase C inhibitor,Serum amyloid P modulator,Topoisomerase I inhibitor,Topoisomerase II inhibitor,VEGF receptor modulator
<b>Key Technologies</b>	Small molecule therapeutic,Steroid,Oral formulation,Capsule formulation,Intravenous formulation,Nanoparticle formulation oral,Oral liquid formulation,Oral suspension formulation,Fluorescence,Formulation preservation,Nucleophilic substitutional synthesis,Stereochemical synthesis,Steroid synthesis

## COMPANY PROFILE

### SUMMARY

Marinus Pharmaceuticals focuses on the identification, development and commercialization of drugs to treat serious neurological, psychiatric and pain disorders.

### FINANCIAL

In July 2014, Marinus priced its IPO of 5,625,000 shares at \$8 per share. Underwriters were granted a 30-day overallotment option to buy an additional 843,750 shares. The IPO was expected to close on August 05, 2014. In September 2014, the underwriters exercised their option to purchase an additional 133,000 shares at a price of \$8 each, which bought the total shares issued by the company in the offering to 5,758,000. Net proceeds were approximately \$41.3 million.

In January 2013, Marinus raised \$21 million from a series C financing.

In April 2009, Marinus raised \$20 million from a series B financing round.

In October 2005, Marinus raised \$29.4 million in a series A financing.

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COMPANY FINANCIALS

SHARE INFORMATION

Close Price (USD)	10.47
Change (USD)	0.02 (0.19%)
Previous Close Price (USD)	10.45
Volume	16,850
52-Week High (USD)	16.60
52-Week Low (USD)	4.00
Date	06-Mar-2015
Exchange	NASDAQ(COMPOSITE)
Current Number of Shares Outstanding	14,007,754
Current Market Capitalization	160,528,861
EPS (Date Reported)	-0.2938

STOCK PERFORMANCE



MAJOR SHAREHOLDERS

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Shareholder	Type	Country	Shares held	% of shares held	Change in holding	% changes in shares held	Date
AST Small-Cap Growth Portfolio	Mutual Fund	United States	56,650	0.4	0	0	31-Jan-2015
Principal SmallCap Growth Fund I	Mutual Fund	United States	50,703	0.36	0	0	31-Jan-2015
Target Portfolio Trust-Small Capitalization Growth	Mutual Fund	United States	9,250	0.07	0	0	31-Jan-2015
Geode Capital Management, L.L.C.	Investment Advisor/Hedge Fund	United States	8,604	0.06	6,171	2.54	31-Jan-2015
Principal Var. Contract SmallCap Growth Account II	Mutual Fund	United States	7,190	0.05	0	0	31-Jan-2015
Fidelity Spartan Extended Market Index Fund	Mutual Fund	United States	6,018	0.04	3,585	1.47	31-Jan-2015
The Vanguard Group, Inc.	Investment Advisor	United States	3,300	0.02	1,000	0.43	31-Jan-2015
Fidelity Spartan Total Market Index Fund	Mutual Fund	United States	2,586	0.02	2,586	1	31-Jan-2015
Vanguard Total Stock Market Index Fund	Mutual Fund	United States	1,800	0.01	0	0	31-Jan-2015
Vanguard Extended Market Index Fund	Mutual Fund	United States	1,500	0.01	1,000	2	31-Jan-2015
AXA/Lord Abbett Micro Cap Portfolio	Mutual Fund	United States	897	0.01	0	0	31-Jan-2015

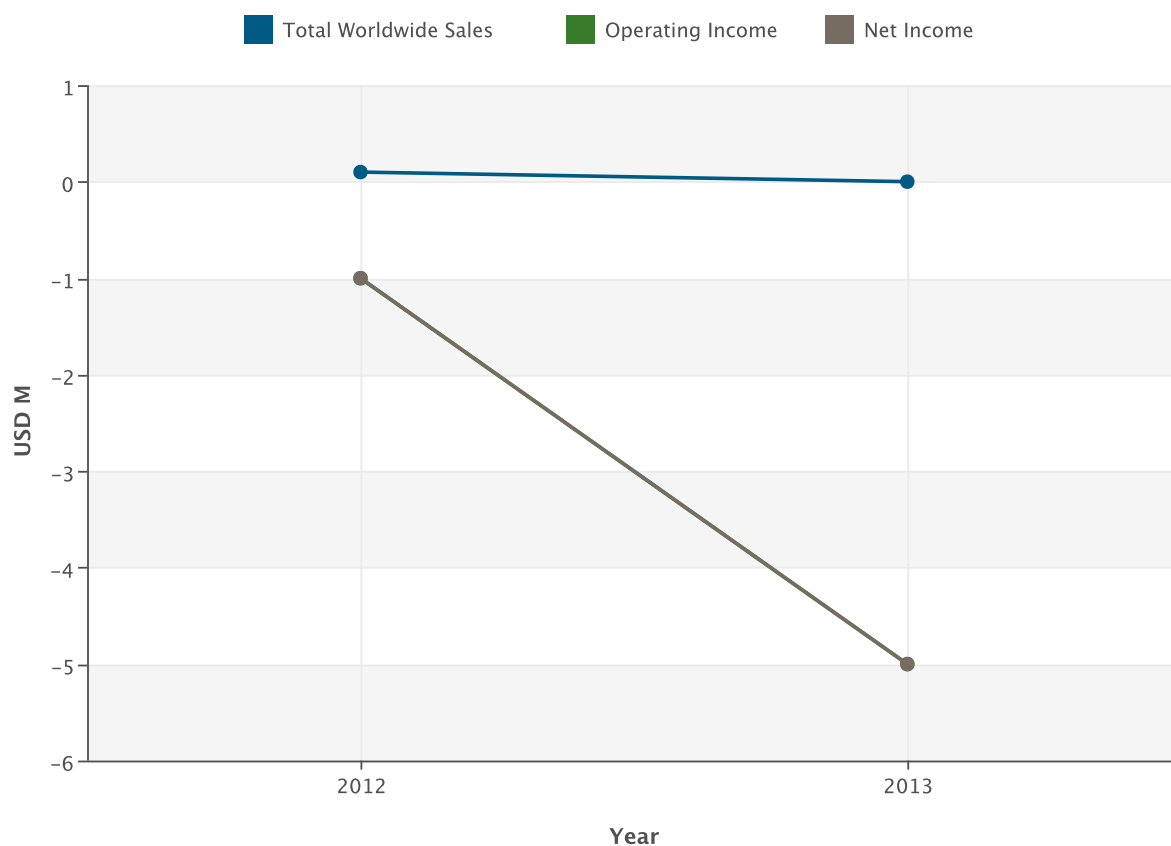
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## FINANCIAL PERFORMANCE

### Sales and Income



	2013	2012		
<b>Sales (USD M)</b>	0	0.1		
<b>Operating Income (USD M)</b>	-5.378802	-1.430655		
<b>Net Income (USD M)</b>	-5.269855	-1.408545		

### Quarterly earnings update

Period	Sales (USD M)	Operating Income (USD M)	Net Income (USD M)
2014 Q3	0	-2.437041	-2.040711
2014 Q2	0	-3.263019	-4.424683
2014 Q1	0	-2.665216	-3.305988
2013 Q3	0	-1.32189	-2.252776
2013 Q2	0	-1.640799	-2.621721
2013 Q1	0	-0.927402	-1.755604

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## BALANCE SHEET

### Assets (USD M)

	2012	2013			
Cash & Short Term Investments	8.633775	10.037123			
Inventories - Total	0	0			
Current Assets - Total	8.665036	11.798502			
Property, Plant And Equipment - Net	0.008734	0.016063			
Other Assets - Total	0.00833	0.00938			
Total Assets	8.6821	11.823945			

### Liabilities (USD M)

	2012	2013			
Accounts Payable	0.115065	0.077782			
Short Term Debt & Current Portion Of Long Term Debt	2.670521	0			
Current Liabilities - Total	4.499942	2.36577			
Long Term Debt	0	0			
Other Liabilities	0	0			
Total Liabilities	4.499942	2.36577			

### Stockholders Equity (USD M)

	2012	2013			
Minority Interest	0	0			
Preferred Stock	59.548852	69.840206			
Common Stock	0.000479	0.000494			
Treasury Stock	0.00019	0.00019			
Total Liabilities & Shareholders' Equity	8.6821	11.823945			

## FORECASTS

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EPS Forecast

Year ending	Current Forecast	1 month ago	3 months ago
31-Dec-2015	-1.82	-1.85	-1.82
31-Dec-2016	-1.37	-1.37	-1.37
31-Dec-2017	-1.25	-1.25	-1.25

Other Forecasts

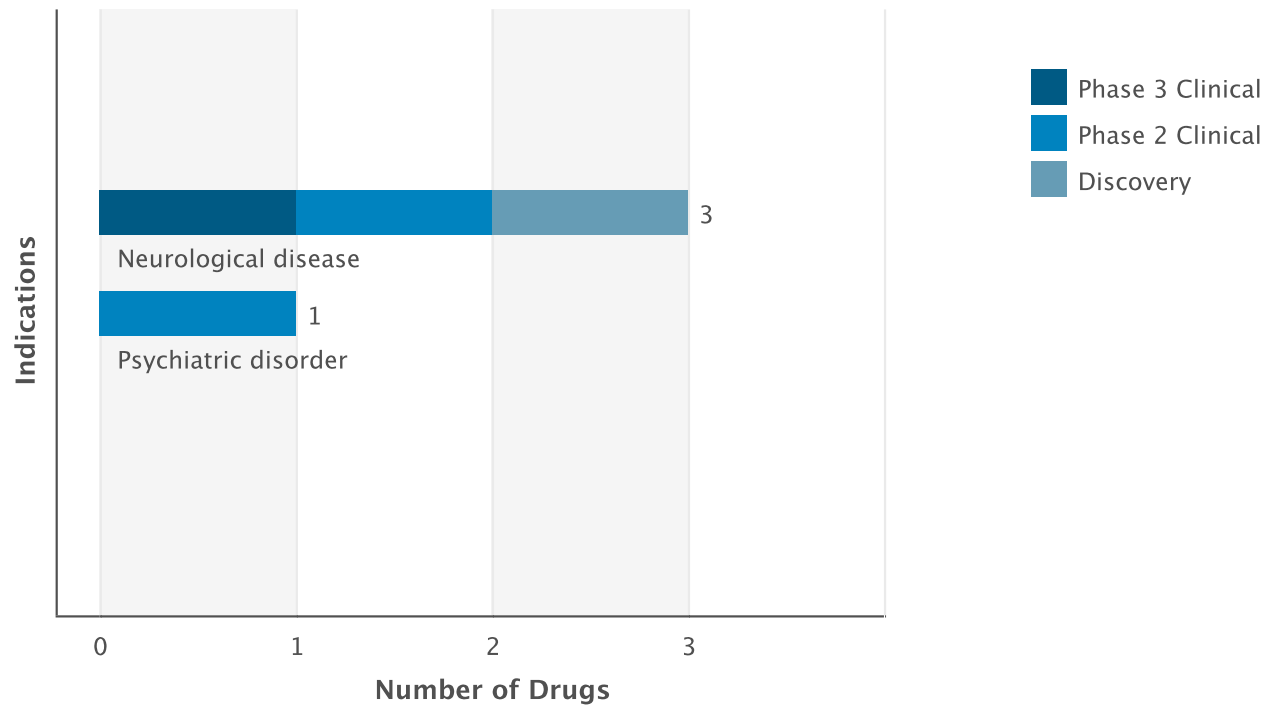
Year ending	DPS	CPS	Pretax	Sales
31-Dec-2015			-25.35	0
31-Dec-2016			-26.63	0
31-Dec-2017			-25.93	0

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart

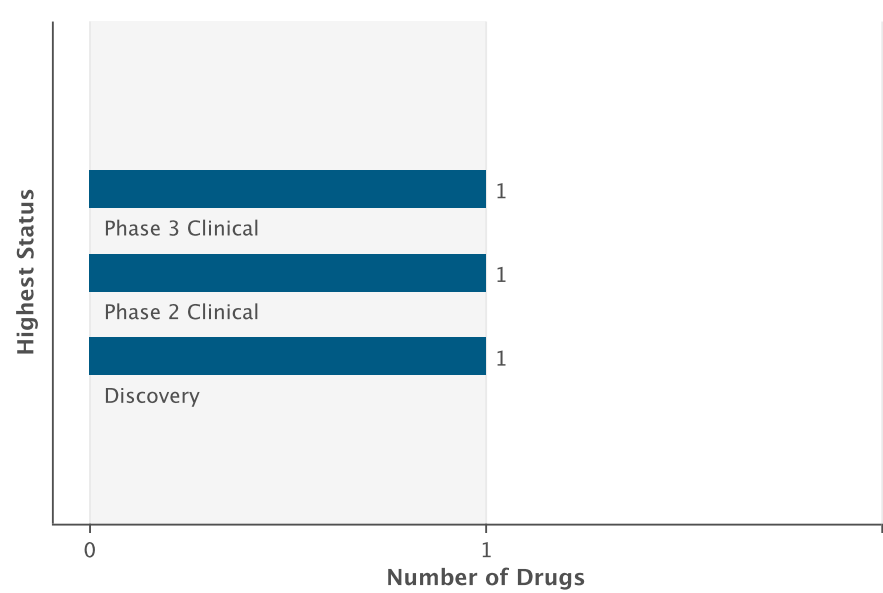


Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	3	0	3
Psychiatric disorder	1	1	2
Genetic disorder	0	1	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
Phase 2 Clinical	1
Discovery	1
No Development Reported	1

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## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1
Drug - Early Research/Development	0	0	1	0	1
Drug - Development/Commercialization License	1	0	1	0	2
Drug - Development Services	0	0	2	0	2
Technology - Delivery/Formulation	0	0	1	0	1

## CLINICAL TRIALS

### Trials by Condition Studied

Condition Studied	Ongoing	All
Neurological disease	2	8
Psychiatric disorder	1	2

### Trials by Phase

Phase	Ongoing	All
Phase 2	3	10

### 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
Immune disorder	1	0	1
Psychiatric disorder	2	0	2
Musculoskeletal disease	1	0	1
Neoplasm	2	1	3
Genetic disorder	1	0	1
Neurological disease	4	1	5

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Respiratory disease	1	0	1
Infectious disease	2	0	2
Injury	0	1	1
Inflammatory disease	2	0	2
Otorhinolaryngological disease	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.

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## PRODUCT PORTFOLIO DRUGS

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

### ganaxolone (oral capsule/nanoparticle, PTSD/CNS disorders), Marinus/NovaMedica

<b>Drug Name</b>	ganaxolone (oral capsule/nanoparticle, PTSD/CNS disorders), Marinus/NovaMedica
<b>Key Synonyms</b>	ganaxolone
<b>Originator Company</b>	Marinus Pharmaceuticals Inc
<b>Active Companies</b>	Marinus Pharmaceuticals Inc, NovaMedica
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 3 Clinical
<b>Active Indications</b>	Post traumatic stress disorder, Epilepsy, Central nervous system disease
<b>Target-based Actions</b>	GABA A receptor agonist
<b>Other Actions</b>	CNS modulator, Anticonvulsant agent
<b>Technologies</b>	Oral formulation, Capsule formulation, Nanoparticle formulation oral, Small molecule therapeutic, Steroid
<b>Last Change Date</b>	14-Nov-2014

### ganaxolone (oral liquid suspension, epilepsy/fragile X syndrome), Marinus/NovaMedica

<b>Drug Name</b>	ganaxolone (oral liquid suspension, epilepsy/fragile X syndrome), Marinus/NovaMedica
<b>Key Synonyms</b>	ganaxolone
<b>Originator Company</b>	Marinus Pharmaceuticals Inc
<b>Active Companies</b>	Marinus Pharmaceuticals Inc, NovaMedica
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 2 Clinical
<b>Active Indications</b>	Fragile X syndrome, Epilepsy, Central nervous system disease
<b>Target-based Actions</b>	GABA A receptor agonist
<b>Other Actions</b>	CNS modulator, Anticonvulsant agent
<b>Technologies</b>	Oral formulation, Oral liquid formulation, Oral suspension formulation, Small molecule therapeutic, Steroid
<b>Last Change Date</b>	04-Feb-2015

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### ganaxolone (intravenous/Captisol, central nervous system diseases), Marinus

<b>Drug Name</b>	ganaxolone (intravenous/Captisol, central nervous system diseases), Marinus
<b>Key Synonyms</b>	ganaxolone
<b>Originator Company</b>	Marinus Pharmaceuticals Inc
<b>Active Companies</b>	Marinus Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Discovery
<b>Active Indications</b>	Central nervous system disease
<b>Target-based Actions</b>	GABA A receptor agonist
<b>Other Actions</b>	CNS modulator
<b>Technologies</b>	Intravenous formulation, Small molecule therapeutic, Steroid
<b>Last Change Date</b>	14-Nov-2014

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