

ORAMED PHARMACEUTICALS INC.

Form FWP

June 17, 2013

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Breakthrough

Technology

for a

Brighter Future

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Issuer Free Writing Prospectus

Filed Pursuant to Rule 433

Registration No. 333-187343

June 17, 2013

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Safe Harbor

Certain statements contained in this material are forward-looking statements. These forward-looking statements are based on the current expectations of the management of Oramed only, and are subject to a number of factors and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements, including the risks and uncertainties related to the progress, timing, cost, and results of clinical trials and product development programs; difficulties or delays in obtaining regulatory approval or patent protection for our product candidates; competition from other pharmaceutical or biotechnology companies; and our ability to obtain additional funding required to conduct our research, development and commercialization activities, and others, all of which could cause the actual results or performance of Oramed to differ materially from those contemplated in such forward-looking statements. Except as otherwise required by law, Oramed undertakes no obligation to publicly release any revisions to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. For a more detailed description of the risks and uncertainties affecting Oramed, reference is made to Oramed's reports filed from time to time with the Securities and Exchange Commission, which involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the company, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Please refer to the company's filings with the Securities and Exchange Commission for a comprehensive list of risk factors that could cause actual results, performance or achievements of the company to differ materially from those expressed or implied in such forward-looking statements. Oramed undertakes no obligation to update or revise any forward-looking statements.

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Free Writing Prospectus Statement

This presentation highlights basic information about us and the offering. Because it is a summary, it does not contain all of the information that you should consider before investing.

We have filed a registration statement (including a prospectus dated March 22, 2013 and a preliminary prospectus supplement dated June 17, 2013) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement, the related preliminary prospectus supplement and other documents we have filed with the SEC for more complete information about us and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at [www.sec.gov](http://www.sec.gov). Alternatively, we, any underwriter or any dealer participating in the offering will arrange to send you the prospectus and preliminary prospectus supplement if you request it by calling Aegis Capital Corp., Prospectus Department, 810 Seventh Avenue, 18th Floor, New York, NY 10019, telephone: 212-813-1010, e-mail: [prospectus@aegiscap.com](mailto:prospectus@aegiscap.com) or Maxim Group LLC, 405 Lexington Avenue, 2nd Floor, New York, NY 10174, toll-free telephone: 1-800-724-0761

Offering Summary

Issuer	Oramed Pharmaceuticals Inc.
Exchange / Ticker	NASDAQ Capital Market / ORMP
Offering Size	Approximately \$13 million (100% Primary)
Over-allotment	15% (100% Primary)
Use of Proceeds	Clinical development of ORMD-0801 and ORMD-0901, working capital & general corporate purposes
Book-Runners	Aegis Capital Corp and Maxim Group LLC

Oramed  
An oral solution....  
5

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6  
Oramed Overview

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Protein breakdown, low bioavailability

Harsh pH

Protease

threat

Mechanical

challenges

Absorption

barrier

Fate of proteins/peptides in GIT

7

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Oramed Technology:

Oramed's delivery platform protects proteins and enhances their absorption, allowing them to reach the bloodstream via the portal vein, thereby establishing a more physiologic protein gradient when compared to other delivery systems.

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Versatile  
Simple  
Competent  
Versatile  
Supports a  
wide range  
of protein  
sizes and  
doses  
Simple  
Simple  
blend of  
ingredients

ORAMED DRUG DELIVERY

Regulatory competence  
No NCEs; widely applied  
pharmacopoeia

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Oramed Technology

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Diabetes:  
A Global Epidemic

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Type 2 Diabetes: A Global Epidemic

- \$471 billion: Estimated total annual economic cost of diabetes worldwide (IDF, 2012)

- \$14.5 billion: Estimated total global insulin market (ReportLinker, 2010)

11

350

0

50

100

150

200

250

300

1985

2000

2012

Year

<http://www.idf.org/home/>

171 Million

30 Million

371 Million

(IDF Diabetes Atlas, 2012)

400

Type 2 diabetes accounts for  
85-95% of diabetes cases

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Therapy	Indication	Preclinical	Pipeline Overview		Timeline
			Phase I	Phase II (ex-US) / Phase II (FDA)	
ORMD - 0801	T2DM				Q3, '13: Phase IIa "sub-study" projected initiation Q2, '14: Phase IIb multi-center study projected initiation
	T1DM				Q2, '14: Phase II (ex-US) multi-center trial projected initiation
ORMD-0901	T2DM				Q1 '13: Phase I/II (ex-US) study initiated
	T2DM				Q1, '13: First-in-human PoC trial initiated
Combination Therapy					

13  
ORMD-0801  
Oral Insulin

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Total number of  
study subjects:

131

Total number of  
administrations  
in humans:

1444

38

27

66

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15  
ORMD-0801  
Type 2 Diabetes

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1 Blood glucose - insulin secretion system forms  
a 'closed-loop'

1 Peripheral insulin promotes glucose uptake in  
fat and muscle

1 First-pass hepatic metabolism extracts 80% of  
secreted insulin

1 Systemic exposure is minimized

Portal insulin delivery is physiologic.

Systemic insulin delivery is not.

pancreas

portal vein

liver

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Initial Treatment:

- Lifestyle Modification
  - Diet & Exercise

Single & Combination Oral  
Therapies:

- ORMD-0801
- Reduce insulin resistance
- Stimulate insulin secretion

Final Treatment:

- Insulin Replacement

ORMD-0801 is not a substitute for insulin  
injections, but rather a new earlier treatment  
option

Stages of Type 2 Diabetes

Criteria for advancing to next stage:

A1C not at target < 7.0%

Type 2 Diabetes:

Stages & Treatment Options

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ORMD-0801 Pre-clinical  
19

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Healthy, non-diabetic, cannulated beagle dogs 60-75% drop in blood glucose levels within 30-100 minutes of treatment

No hypoglycemia or adverse events were observed over the three years of testing

0

20

40

60

80

0

60

120

180

Time (min)

n=4

8 mg

insulin

8 mg insulin, no additives

1.5 U NovoRapid

ORMD-0801 (A)

ORMD-0801 (C)

20

ORMD-0801

Preclinical - Dogs

20

40

60

80

-

0

30

60

90

120

NC

0

100

-

10

150

Time (min)

NC; 4 independent test sessions

Fasting

n=2

Pre-  
prandial

0

20

40

60

80

100

120

140

0

50

100

150

Time (min)

-20

n=3

NC; 6 independent test sessions

ORMD-0801; 5 independent sessions

8 mg

insulin

21

ORMD-0801

Preclinical - Pigs

Phase II Study (ex-US):

Design: Multi-centered, placebo-controlled, randomized, double-blinded, 29 T2DM patient study to evaluate safety and tolerability of one bedtime orally administered ORMD-0801 formulation (2 capsules containing 8 mg insulin each) as well as its effectiveness in providing glycemic control.

21 T2DM

8 T2DM

Monitor safety parameters

Compare plasma markers at start of study to those at end of study

ORMD-0801

once daily

placebo

once daily

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T2DM Clinical Results  
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Results:

Safety:

- First extended exposure to ORMD-0801 proved safe and tolerable.
  - No serious adverse events reported.
  - No cumulative effects were observed.
- Only two hypoglycemic events were recorded - both were mild.

Efficacy:

- Reduced glycemia & inflammatory markers
- Percentage of patients demonstrating clinically relevant reductions in insulin, c-peptide, fasting blood glucose (FBG), and Hb1Ac levels was higher in the ORMD-0801 cohort, compared to the placebo.

0

5

10

15

20

25

30

35

40

45

50

FBG

Fructose-  
amine

HbA1c

Insulin

c-peptide

CRP

ORMD-0801

Placebo

Phase II Study (ex-US):

FBG, HbA1c, Cardiovascular Disease Risk,  
Hypoglycemia



Upcoming Trial  
(under FDA IND)  
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ORMD-0801  
Type 1 Diabetes

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ID:  
 8  
 80  
 100  
 120  
 140  
 160  
 -10  
 -5  
 0  
 5  
 10  
 15  
 200  
 240  
 300  
 360  
 180  
 Time (min)

ID:  
 9  
 70  
 120  
 170  
 220  
 270  
 -14  
 -10  
 -6  
 -2  
 0  
 200  
 240  
 300  
 360  
 180  
 Time (min)

Expected rate of increase in fasting  
 blood glucose concentrations among  
 T1DM upon insulin withdrawal:  $45.1 \pm 9.7$   
 mg/dL·hr-1 (Clement et al, 2002, Diabetes  
 Technol Ther 4(4):459)

Subject #	Rate of glucose change (mg/dL*hr-1)
2	43.7
3	-0.7
4	-15.5
5	10.9

6 -6.1  
7 -28.7  
8 -18.4  
9 5.5

ORMD-0801  
effectively  
prevented  
the expected  
rise in  
blood glucose  
concentrations  
among fasting  
T1DM subjects

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ORMD-0801  
T1DM

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DAY  
 NIGHT  
 180  
 200  
 220  
 240  
 260  
 280  
 300  
 pretreatment  
 treatment  
 ± 11.5%  
 50.75  
 58.3  
 38  
 49.7  
 DAY  
 NIGHT  
 pretreatment  
 treatment  
 Frequency glucose >200mg/dL  
 06:00  
 -  
 08:59  
 09:00  
 -  
 11:59  
 12:00  
 -  
 13:59  
 14:00  
 -  
 18:59  
 19:00  
 -  
 20:59  
 21:00  
 -  
 23:59  
 00:00  
 -  
 05:59  
 Time

Design: 7 T1DM, monitor glycemic stability of one orally administered ORMD-0801 formulation (1 capsule (8 mg insulin) before meals, three time daily). Glucose monitored with continuous, blinded glucose monitor  
 Results: Safe, well tolerated, reduced glycemia.

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 ORMD-0801  
 T1DM



29  
ORMD-0901  
Oral Exenatide  
T2DM

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Oral Exenatide (GLP-1 Analog)

30

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0  
20  
40  
60  
80  
100  
120  
S.C.  
AG  
4  
AG  
3  
-  
+  
+  
+  
+  
Exenatide  
\*  
\*  
\*

Glucose

Results: Subcutaneous exenatide delivery amounted to a 51% reduction in mean glucose AUC0-150, while formulations AG4 and AG3 prompted 43% and 29% reductions, respectively (\* p = 0.068, demonstrating a treatment-related trend for the sample size).

ORMD-0901 formulations preserved the biological activity of orally delivered exenatide. ORMD-0901 successfully curbed blood sugar excursions following glucose challenge.

Methods:

- Ø Healthy, fasting, cannulated dogs
- Ø Single dose ORMD-0901 formulations
- Ø Administered 30 minutes before a glucose challenge.
- Ø Blood samples collected every 15 minutes.

preprandial  
Phase 1  
4 Healthy  
Placebo-control  
150 µg  
exenatide  
0  
40  
60  
80  
100  
120  
140  
Time (min)  
-50  
0  
100  
150  
n=4  
ORMD-0901  
placebo  
FIRST IN  
HUMAN  
NO  
NAUSEA  
32  
ORMD-0901  
T2DM

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Oramed  
Corporate Overview  
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- Nadav Kidron, Esq., MBA - Chief Executive Officer & Director
- Experience in various industries, including corporate law and technology
    - Advisory Board member - EnteraBio, Trendlines Group
- Miriam Kidron, PhD - CSO & Director
- Senior Researcher at the Diabetes Unit of Hadassah Medical Center for more than 25 years
    - Leading researcher in oral insulin development
- Yifat Zommer, MBA - CFO
- Extensive Experience in corporate financial management
  - Bachelor of Accounting and Economics from Hebrew University
    - MBA from Tel Aviv University, CPA Israel
- Josh Hexter - COO, Vice President Business Development
- More than 15 years of prominent leadership and managerial roles in biotech and pharma - most recently with BioLineRX
    - Master's degree in management from Boston University
- Ehud Arbit, MD - Director of R&D
- Former VP of Medical Research at Emisphere Technologies
  - Former Division Head at Memorial Sloan Kettering Cancer Center
- Board of Directors
- Michael Berelowitz,  
PhD  
Chairman of SAB  
SVP Clinical  
Development &  
Medical Affairs, Pfizer  
(former)
- Harold Jacob, MD  
Former Chief Medical  
Officer, Given Imaging.
- Geral Ostrov  
CEO, Bausch&Lomb  
(former); Senior level  
Executive J&J (former)
- Leonard Sank  
Entrepreneur and  
businessman
- 31  
Management  
34
-

Scientific Advisory Board

Chairman of SAB: Michael Berelowitz, MD

Prof. Derek LeRoith, MD, PhD

- Professor of Medicine and Chief of Endocrinology, Diabetes and Bone Disease Unit, Mount Sinai School of Medicine, NY.

Prof. John Amatruda, MD

- The Former Senior Vice President and Franchise Head of the Diabetes and Obesity Unit at Merck & Co.

Prof. Avram Herskho, MD, PhD

- Distinguished Professor in the Biochemistry Unit in the B. Rappaport Facility of Medicine in the Technion in Haifa.
- Nobel Laureate in Chemistry (2004) for the discovery of ubiquitin-mediated protein degradation.

Prof. Nir Barzilai, MD

- Director for the Institute of Aging Research. Member of Diabetes Research Center, Albert Einstein University College of Medicine.

Prof. Ele Ferrannini, MD, PhD

- Prof. of Internal Medicine, University of Pisa School of Medicine. Professor of Medicine, Diabetes Unit Texas Health Science Center. Past President of the EASD.

Intellectual Property:

Five primary worldwide patents

- Methods and Compositions for Oral Administration of Proteins (2 unique types)
  - Expire 2026 & 2028
  - Approval granted in Israel, Japan, Australia and New Zealand
  - Pending in multiple jurisdictions, including the US
- Methods and Compositions for Oral Administration of Exenatide
  - Expires 2028
  - Approval granted in New Zealand
  - Pending in multiple jurisdictions, including the US
  - Methods and Compositions for Treating Diabetes
  - Expires in 2032, Pending status, including the US
- Protease inhibitor-containing compositions and compositions comprising same

Financial Overview 2013\*

\* As of June 1, 2013

Ticker: NASDAQ: ORMP

- \$20.7M raised to date
  - No Debt
- Cash and investments: \$4.2M
  - Shares Issued: 7.2M
  - Fully diluted: 9.5M\*\*

\*\* Including outstanding 0.9M options and 1.5M warrants.

\*\*\* Including the shares of D.N.A Biomedical Solutions  
Ltd.

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Capitalization Structure

Capitalization	Outstanding	% Outstanding
Common Stock	7,226,423	75.35%
Stock Options	857,158	8.94%
Warrants	1,506,410	15.71%
Fully-diluted Shares Outstanding	9,589,991	100%

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- Anticipated 2013 expenditures (Q3-Q4): \$2.5M
  - Anticipated 2014 expenditures (Q1-Q4): \$8M
- Anticipated Use of Proceeds 2013-2015



Anticipated Milestones

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Breakthrough Technology for a  
Brighter Future

Contact :

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CEO

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