



Agenda

CEO's review	Timo Lappalainen, President & CEO
R&D pipeline review, part I	Reijo Salonen, SVP, Research & Development
Break	
Proprietary Products update	Markku Huhta-Koivisto, SVP, Proprietary Products
Specialty Products update	Liisa Hurme, SVP, Proprietary Products
CFO's presentation	Jari Karlson, CFO
Break	
Animal Health	Niclas Lindstedt, Vice President, Animal Health
Fermion	Arto Toivonen, President, Fermion
Orion Diagnostica	Jaakko Rissanen, President, Orion Diagnostica
R&D pipeline review, part II	Reijo Salonen, SVP, Research & Development
Closing remarks and Q&A	
Lunch	

Short Q&A sessions will be held after each presentation

Orion Capital Markets Day 2015



This presentation contains forward-looking statements which involve risks and uncertainty factors. These statements are not based on historical facts but relate to the Company's future activities and performance. They include statements about future strategies and anticipated benefits of these strategies.

These statements are subject to risks and uncertainties. Actual results may differ substantially from those stated in any forward-looking statement. This is due to a number of factors, including the possibility that Orion may decide not to implement these strategies and the possibility that the anticipated benefits of implemented strategies are not achieved. Orion assumes no obligation to update or revise any information included in this presentation.



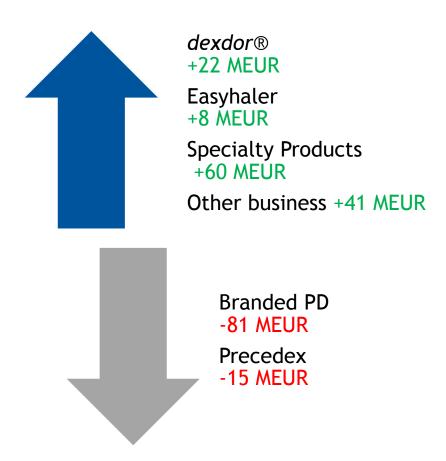








Key developments 2012 to 2014

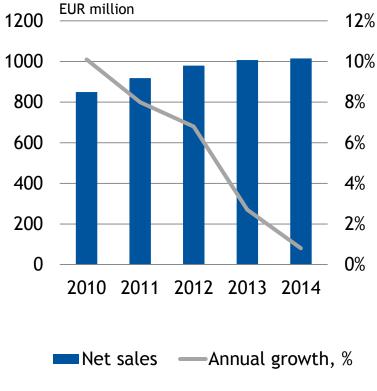


- Partnerships with Janssen and Bayer
- + 7 new projects in clinical developement pipeline
- + Stalevo for Japan
- + First approvals of Bufomix
- 3 development projects discontinued (2 back-ups)
- Expansion of Stalevo generic competition
- Generic competition for Precedex in the USA



Financial performance in 2010-2014

Net Sales 2010-2014



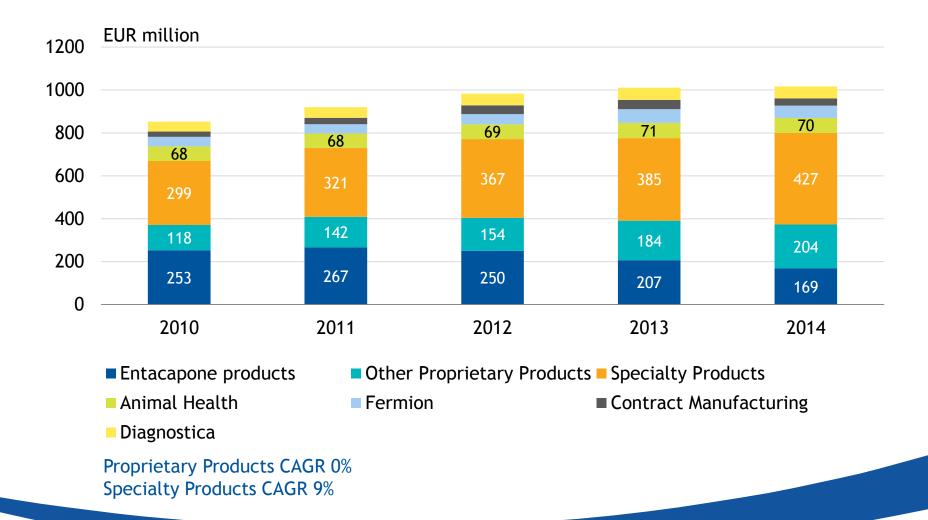
CAGR 5%

Operating Profit 2010-2014



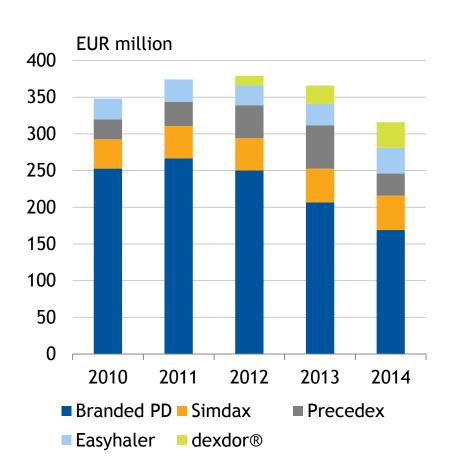


Net sales by business division 2010-2014

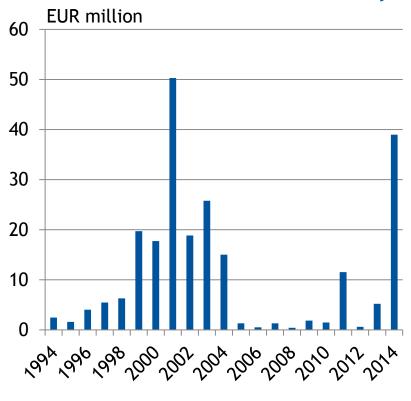




Development of key PP products and milestones



Orion milestone history*



^{*)} essential milestones

























Balancing mid-term - building long-term

Long-term growth opportunities from R&D pipeline. Milestone payments.

Generic competition for Parkinson's franchise and Precedex.

Timing of milestone payments.

Easyhaler® combinations and dexdor® for European markets.

Generic drugs and self-care products.

Global pricing pressure, especially on new products.

Operational flexibility and efficiency.





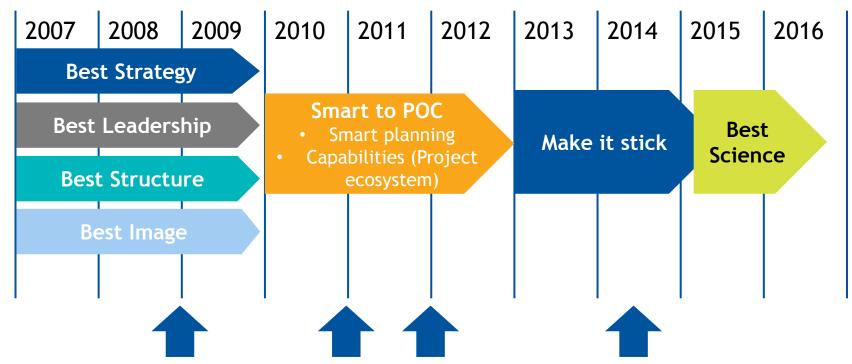








Transformation journey of Orion Pharma R&D toward the Best R&D in the world 2017



Continous reorganizations have reshaped the project centric matrix organisation to support the cultural change

R.Thong and T. Lotta: Creating a Culture of Productivity and Collaborative Innovation- Orion's R&D Transformation. This article was published in Research-Technology Management (RTM), Vol. 58, No. 3 (2015), pp. 41-50. Available online at www.iriweb.org/rtm



Pharmaceutical R&D portfolio 2015 1/2

Project	Indication	PHASE			Registration
Bufomix Easyhaler® (budesonide-formoterol) 1)	Asthma, COPD	-1	Ш	Ш	
Easyhaler® salmeterol-fluticasone	Asthma, COPD	1	Ш	Ш	
ODM-201 (androgen receptor inhibitor) ²⁾	Prostate cancer	1	Ш	Ш	
Levosimendan ³⁾	Low Cardiac Output Syndrome	1	Ш	Ш	
ORM-12741 (alpha-2c adrenoceptor antagonist) 4)	Alzheimer's disease	-1	lla		
Dexmedetomidine (intranasal) 5)	Treatment of pain	1	IIb		
ODM-109 (oral levosimendan)	ALS	1	Ш		
1) Aim is to obtain marketing authorisation for product in at least some European			= Phase completed		

countries not included in decentralised marketing authorisation application process.

More info at: http://www.orion.fi/en/rd/orion-rd/pipeline/



= Phase ongoing

²⁾ In collaboration with Bayer

³⁾ Partner: Tenax Therapeutics, Inc.

⁴⁾ In collaboration with Janssen Pharmaceuticals

⁵⁾ Partner: Recro Pharma, Inc.

Pharmaceutical R&D portfolio 2015 2/2

Project	Indication		PHASE	Registration
ODM-104 (more effective COMT inhibitor)	Parkinson's disease	1		
ODM-203 (targeted FGFR+VEGFR inhibitor)	Solid tumours			
ODM-204 (CYP17 enzyme and androgen receptor inhibitor)	Prostate cancer			
ODM-106 (GABA-B receptor positive allosteric modulator)	Essential tremor			
ODM-108 (negative allosteric modulator of TRPA1 ion channel)	Neuropathic pain	-1		
			= Phase cor	npleted
			= Phase ong	going

More info at: http://www.orion.fi/en/rd/orion-rd/pipeline/





Bufomix Easyhaler®

- Application for marketing authorisations in some countries left out from the 1st DCP round for 160/4.5 and 320/9 µg/inhal. strengths
- The further development plans are based on experiences from the 1st DCP round and authority consultations increasing our confidence in obtaining authorisations in at least some remaining countries





BUFODIL study

Bufomix Easyhaler® (budesonide-formoterol)

Asthma, COPD



- A study to confirm equivalent bronchodilator efficacy of Bufomix Easyhaler compared to Symbicort Turbuhaler in adult asthmatics
- Randomised, double-blind, double-dummy, multicentre, single dose, crossover study
- Asthmatic patients who demonstrate reversible airway obstruction, have prebronchodilator forced expiratory volume in 1 second (FEV1) 45-90% of the predicted value and who have stable asthma will be included
- Clinical phase is on-going and estimated to be completed in 2015

ClinicalTrials.gov identifier: NCT02308098





Salmeterol-Fluticasone Easyhaler®

Easyhaler® salmeterol-fluticasone

Asthma, COPD



- Development of Salmeterol-Fluticasone Easyhaler® is in clinical phase
- We have utilized the learnings from Bufomix Easyhaler® development which have significantly increased our understanding of the regulatory requirements. This is believed to smoothen the regulatory phase



ClinicalTrials.gov identifier: NCT02162485

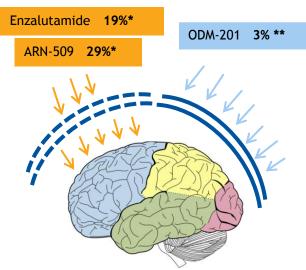




ODM-201 has a unique profile

$$F_{3}C \longrightarrow F_{1}C \longrightarrow F_{2}C \longrightarrow F_{1}C \longrightarrow F_{2}C \longrightarrow F_{1}C \longrightarrow F_{2}C \longrightarrow F_{2}C \longrightarrow F_{1}C \longrightarrow F_{2}C \longrightarrow F$$

	AR affinity Ki (nM)	Antagonism IC50 (nM)				Proliferation
Compound		WT AR	AR (F876L)	AR (T877A)	AR (W741L)	VCaP IC50 (nM)
Bicalutamide	12	150	218	957	Agonist	
Enzalutamide	86	155	Agonist	296	>10000	400
ARN-509	68	168	Agonist	1130	>10000	300
ODM-201	9	65	66	1782	1500	500



- *Refs. Clegg et al, 2012; Forster at al, 2011 ** Rat autoradiography (QWBA confirms brain/plasma ratio of 14C-ODM-201 related radioactivity was 0.04-0.06, indicating negligible penetration to the brain)
- ODM-201 blocks the function of androgen receptor in both biochemical and cell assays with equal or better potency compared to enzalutamide and ARN-509
- Low likelihood for brain entry demonstrated in preclinical models



ODM-201 Clinical studies

Study	Phase	Populations	N	Daily Dose (mg)	Status	ClinicalTrials. gov identifier
ARADES	1/11	mCRPC* • Chemo/CYP17 naïve • Post chemo/ CYP17 naïve • Post CYP17	134	200-1800	Completed	NCT01317641
ARADES ext	II	mCRPC* • Chemo/CYP17 naïve • Post chemo/ CYP17 naïve • Post CYP17	76	200-1800	Ongoing	NCT01317641
ARAFOR	I	Chemo-naïve mCRPC*	30	1200	Ongoing	NCT01784757
ARIADME	I	Healthy subjects	12	300	Ongoing	NCT02418650
ARAMIS	III	nmCRPC**	1500	1200	Ongoing	NCT02200614

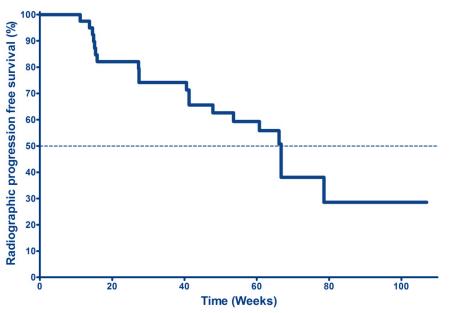
^{*} metastatic castration resistant prostate cancer



^{**} non-metastatic castration resistant prostate cancer

ODM-201 provided antitumour activity with mCRPC patients in phase I/II studies (ARADES and ARAFOR)

Radiographic progression, product-limit survival estimate with number of subjects at risk



ODM-201 with daily doses between 1200-1800 mg was well tolerated and provided antitumor activity in patients with mCRPC who were naïve for chemotherapy and CYP17-inhibitor treatment.

Median time to radiographic progression was 66.7 weeks (95% CI 41.3 - not reached).

Source: EAU2015 - Study poster 567

"Safety and antitumor activity of ODM-201 in chemotherapy and CYP17-inhibitor naïve patients from the ARADES and the ARAFOR trials"



ODM-201 Phase III study ongoing in non-metastatic castration resistant prostate cancer (nmCRPC)

ODM-201 (androgen receptor inhibitor) 2)

Prostate cancer



- nmCRPC patients who are at high risk for developing metastatic disease are included (n=1500)
- Primary endpoint
 - ODM-201 over placebo in metastasis-free survival (MFS)
- Secondary endpoints
 - Overall survival, time to first symptomatic skeletal event (SSE), time to first initiation of cytotoxic chemotherapy, time to pain progression, and to characterize the safety and tolerability of ODM-201.
- Operational responsibility transferred from Orion to Bayer in December 2014
- The study is proceeding as planned with estimated completion in 2018



ClinicalTrials.gov identifier: NCT02200614





Rationale for combining FGFR and VEGFR inhibition

Constitutively active FGFRs are oncogenic in non-clinical studies Both VEGFR and FGFRs are drivers for angiogenesis, a hallmark of tumorigenesis FGFR amplifications have an impact on patient survival in studied cancer types (breast, lung, and gastric) VEGFR expression correlates with survival or progression in tumor types with high incidence of FGFR alterations (bladder, breast, lung, gastric) FGFR signaling is a known escape mechanism for anti-VEGFR treatments



Angiogenic indications with altered FGFR signalling

Tumor type	Genomic alterations of FGFRs and FGFs
Breast (luminal)	~35% (FGFR1 amp, FGFR2 amp, FGFR4 amp, FGFs)
NSCLC-SCC	~20% (FGFR1 amp, FGFR2 amp)
Bladder (invasive)	~15% (FGFR3 fusions, FGFR1 amp, FGFs)
Prostate	~14% (FGFR1 amp, FGFR2&3 fusions)
Colorectal	~10% (FGFR1 amp, FGFR3 mut)
Endometrial	~10% (FGFR2 mut)
Gastric	~7% (FGFR2 amp)
Renal	~ 6 % (FGFR4 amp)



Current competitive landscape for small molecule FGFR inhibitors

No FGFR inhibitor on the market Inhibitor selectivity **Dual FGFR+VEGFR FGFR** PanTKI/FGFR BAY1163877 Phase **Debio 1347** FGF401 **ODM-203** Clinical development AL3818 JNJ42756493 **TAS120** Phase II NVP-BGJ398 Lucitanib AZD4547 Phase III **Dovitinib**



ODM-203 seems to be the only equally balanced selective dual FGFR/VEGFR inhibitor

In vitro kinase activity

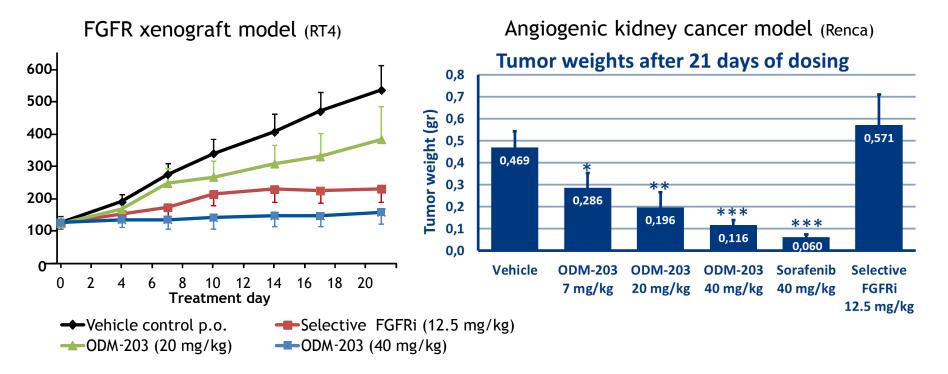
Cell based activity

Ratio	ODM-203	Lucitanib	Cell line (receptor), Ratio	ODM-203	Lucitanib
FGFR1/VEGFR2	1:1	1:6	FGFR/Angiogenesis	1:2	1:100

- ODM-203 has very high kinase selectivity against FGFR1-4 and VEGFR1-3
- Equally balanced inhibition may provide better efficacy/safety profile



ODM-203 has strong in vivo antitumor activity



- Superior activity in angiogenic tumor models
- Strong antitumor activity in several FGFR dependent models
 - No effect in a FGFR and VEGFR independent xenograft model



ODM-203 - current status

ODM-203 (targeted FGFR+VEGFR inhibitor)

Solid tumours



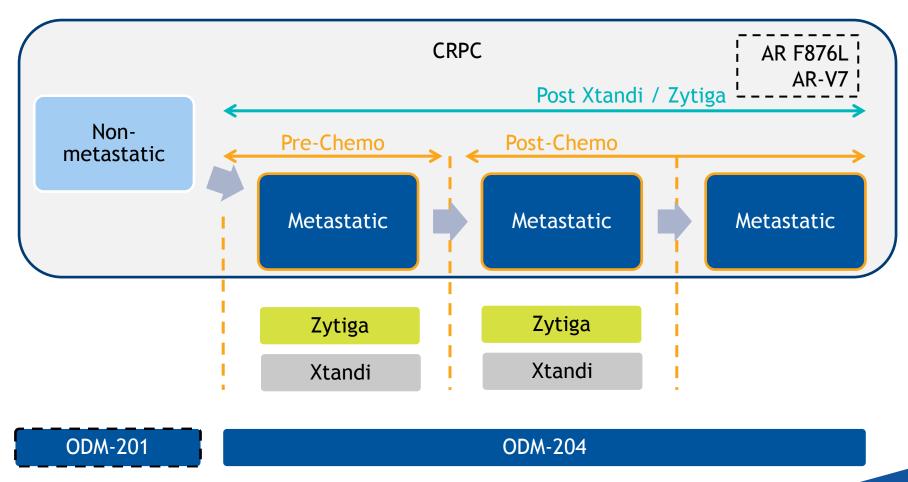
- Phase I KIDES trial ongoing
- Safety and Tolerability of ODM-203 in Subjects With Advanced Solid Tumours (KIDES-203)

ClinicalTrials.gov identifier: NCT02264418





Positioning of ODM-204



Note: Zytiga/Xtandi combination trials are ongoing



Target product profile in mCRPC*

	ODM-204	Xtandi (Enzalutamide)	Zytiga (Abiraterone)	Galeterone (TOK-001)
Mechanism	CYP17A1 inhibitor+ AR inhibitor	AR inhibitor	CYP17A1 inhibitor	CYP17A1 inhibitor
CYP17A1 inhibition	++	-	+++	++
AR binding/activity	+++	++	-	(+)
In vitro efficacy in VCaP cells	+++	+	+	-
Antagonist in AR mutations and overexpression	+++	++	-	-
Bioavailability and stability	+++	+++	+	+
Significant inhibition of androgenic steroid production in preclinical models	+++	-	+++	++

^{*)} Orion internal data with ODM-204 and competitors



ODM-204 - current status

ODM-204 (CYP17 enzyme and androgen receptor inhibitor)

Prostate cancer



- Phase I/II DUALIDES trial ongoing
 - Safety and Pharmacokinetics of ODM-204 in Patients With Metastatic Castration-Resistant Prostate Cancer (DUALIDES)
 - Subgroups:

Number of subjects (approx.)	Chemotherapy	Second-generation AR inhibitor (e.g. enzalutamide)	CYP17A1i (e.g. abiraterone acetate)
15	Naive	Naive	Naive
15	Naive or pre-treated	Naive	Pre-treated
15	Naive or pre-treated	Pre-treated	Naive

ClinicalTrials.gov identifier: NCT02344017





Orion signs cooperation agreement with HUCH Comprehensive Cancer Center

26 Mar 2015 | Orion Corporation and the HUCH Comprehensive Cancer Center have entered into an extensive cooperation agreement. The agreement will bring all the clinical cancer drug studies launched by Orion to HUCH and also enable more comprehensive research cooperation in the development of drug candidates.



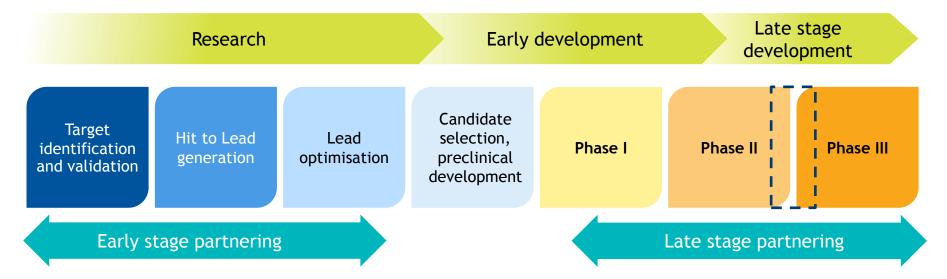
Break







Orion's partnering strategy is based on profitable growth and increased shareholder value whilst keeping business risk under control



KEY CHARACTERISTICS OF LATE STAGE PARTNERING

- Late stage partnering typically after PoC
- Risk and reward sharing
- Partner has commercial capabilities especially in USA
- Potential for income before commercial sales in form of milestones



Key late stage development partnerships

Partnership with Janssen on ORM-12741 for treatment of symptoms of AD

Commercial territories

Orion: Europe

Janssen: RoW

Development cost sharing

 Development co-funded after Orion has successfully completed additional phase IIa study

Financials

- Upfront payment of MEUR 23 (MEUR 20 to be used against Phase IIa costs)
- Orion entitled to milestones and royalties based on development and commercial success

Partnership with Bayer on ODM-201 for treatment of prostate cancer

Commercial territories

- Bayer: Global rights
- Orion: Co-promotion option in Europe, manufacturing of the product

Development cost sharing

 Bayer contributes major share of development costs from 2015 onwards

Financials

- Upfront payment of MEUR 50 (MEUR 22 used for development costs in 2014)
- Orion entitled to milestones and royalties based on development and commercial success



Partnering opportunities in the pipeline

Project	Indication	PHASE		Registration
ODM-109 (oral levosimendan)	ALS	-1	Ш	
ODM-104 (more effective COMT inhibitor)	Parkinson's disease	- 1		
ODM-203 (targeted FGFR+VEGFR inhibitor)	Solid tumours	- 1		
ODM-204 (CYP17 enzyme and androgen receptor inhibitor)	Prostate cancer	- 1		
ODM-106 (GABA-B receptor positive allosteric modulator)	Essential tremor			
ODM-108 (negative allosteric modulator of TRPA1 ion channel)	Neuropathic pain	1		
			= Phase cor	npleted
More info at: http://www.orion.fi/en/rd/orion-rd/pipeline/			= Phase ong	going



Sales of key proprietary products

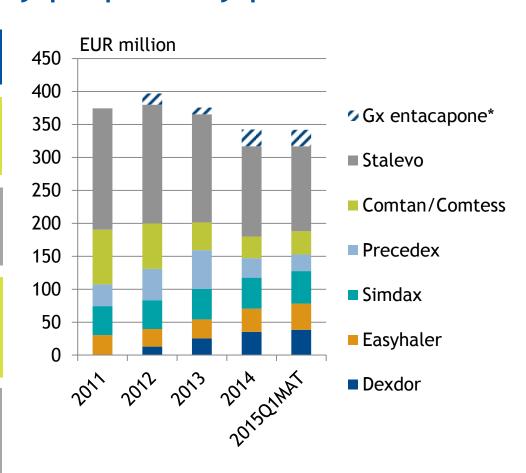


2012 First generic Comtan in USA

2012 First generic Stalevo in USA

2012
Entacapone
molecule patent
expired in Europe

2013
Stalevo data
exclusivity in EU
expired



*) Gx entacapone is part of Orion's Specialty Products business

2014 First Bufomix MAs in Europe

2014 First generic Stalevo in Germany

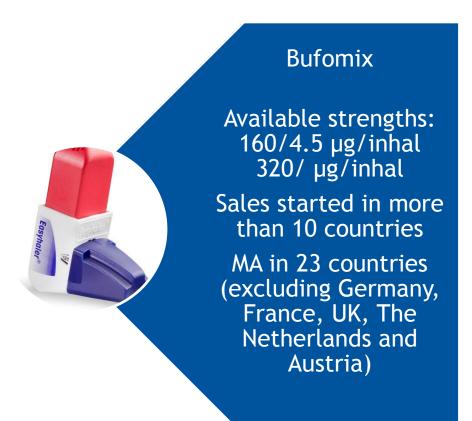
2014
First generic
Precedex in USA

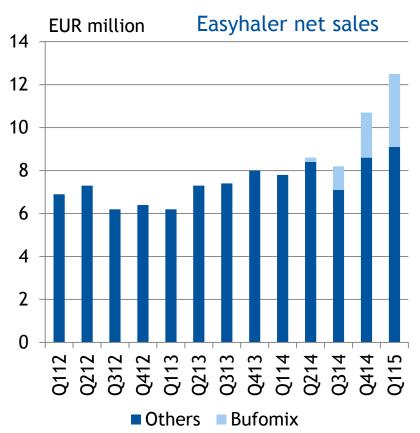
2015 Stalevo launched in Japan

2015
Stalevo generic
competition
expected to extend
in Europe



Easyhaler update



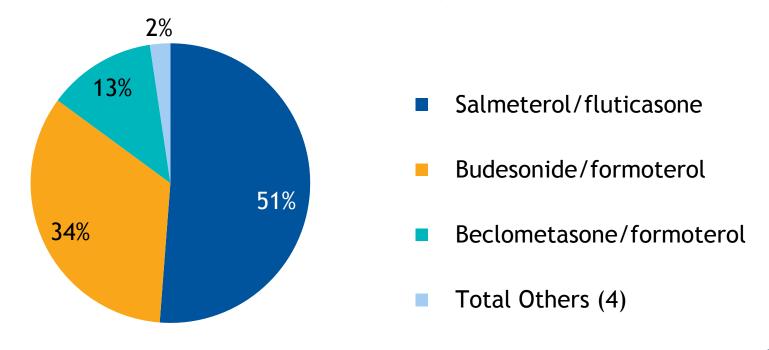


Easyhaler® salmeterol-fluticasone development project ongoing



Easyhaler combinations main target market

B2-STIMULANTS+CORTICOIDS CLASS (R3F)
SALES IN EUROPE 2014
Total market: EUR 3.4 billion (+0.7%)



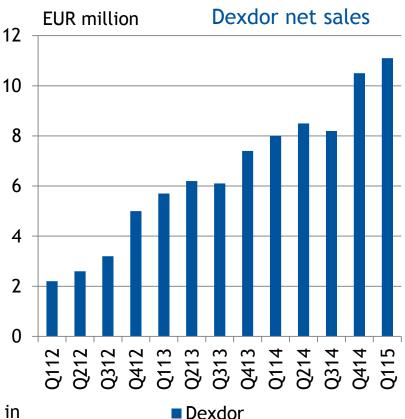


Dexdor update

Data protection until 2021

Updated positioning to drug of choice to optimize PAD (pain, agitation & delirium) management

Added value justified by health economic publications and models



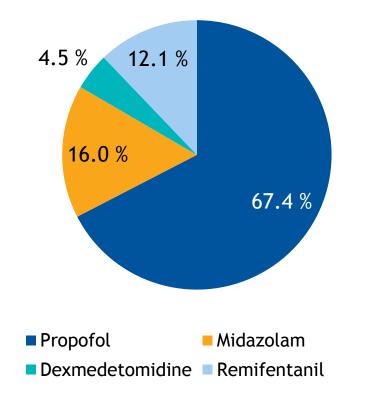
Dexmedetomidine non-i.v. under development for pain in USA by Recro Pharma(phase IIb). Top line results expected to be reported in summer 2015*.

*) Source: www.recropharma.com

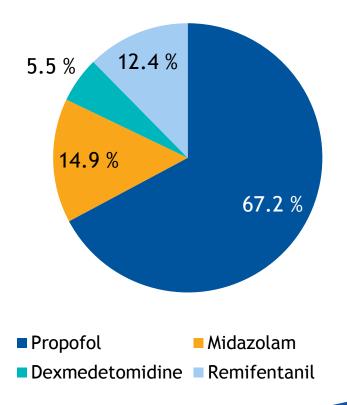


Dexdor gaining market share

European sedative market 2013 Total market value EUR 494 million



European sedative market 2014 Total market value EUR 509 million



Source: IMS Health sales statistics 2013 and 2014



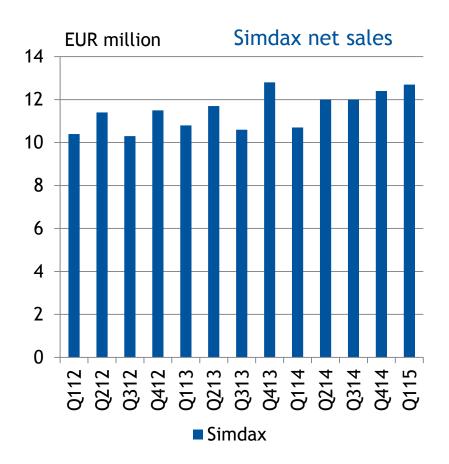
Simdax update

Molecule patent expires Sep 2015

Formulation patent valid until Sep 2020

MA received in Germany and Switzerland Q4/2013

Study results available for Low Cardiac Output Syndrome (phase III in US by Tenax) in 1Q2016*. In addition Tenax is investigating possibility of gaining an additional indication of septic shock for levosimendan. *) Source: www.tenaxthera.com









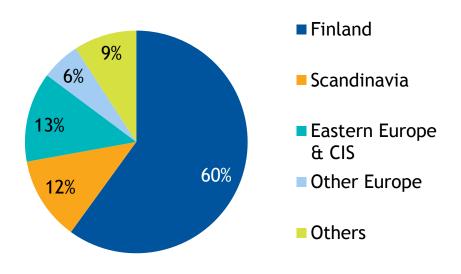


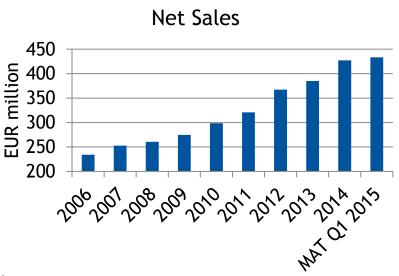


SpP division has generated steady sales growth

Breakdown of SpP (Gx & OTC)net sales by geographic area MAT Q1 2015

Development of SpP net sales (Gx & OTC) from 2006 to MAT Q1 2015





Key figures from 2014

2,418 MAs

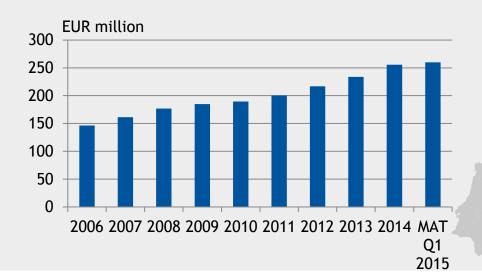
3,310 SKUs

Net sales EUR 427 million



Strong SpP growth in Finland with Gx and OTC

In MAT Q1 2015, Orion human pharmaceutical total sales in Finland was EUR 281 million (+9%) of which SpP was EUR 260 million (+10%) and out of that Self Care was EUR 87 million (+2%)

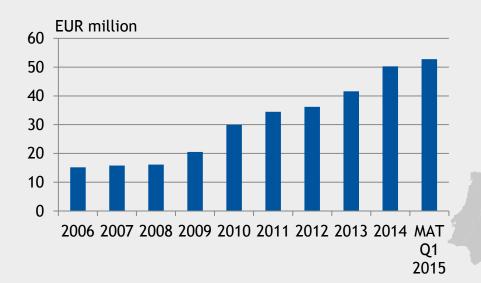


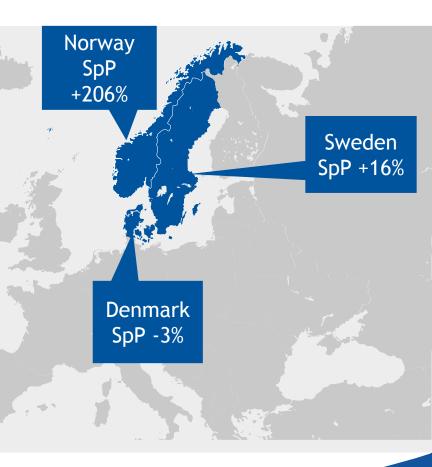




Strong growth in Scandinavia driven by Gx

In MAT Q1 2015, Orion human pharmaceutical total sales in Scandinavia was EUR 82 million (+14%) of which SpP was EUR 53 million (+20%) and mainly Gx driven

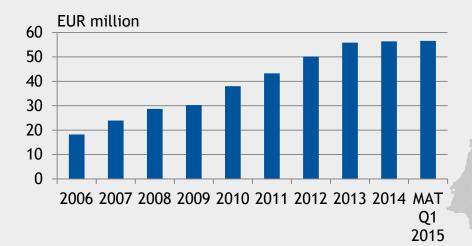






Steady growth also throughout Eastern Europe

Orion human pharmaceutical total sales in Eastern Europe EUR 79 million MAT Q1 2015 (+6%) of which sales in top 2 SpP countries were: Russia EUR 19 million Poland EUR 19 million

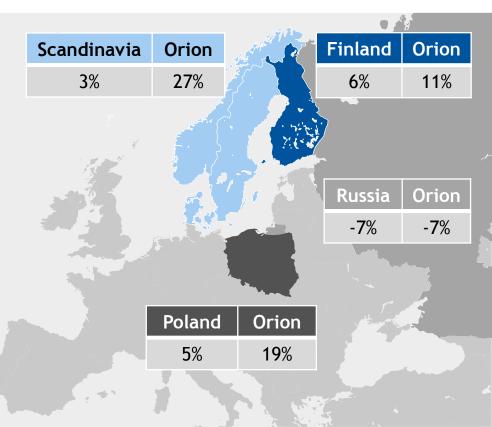






Orion Gx business has outperformed market growth

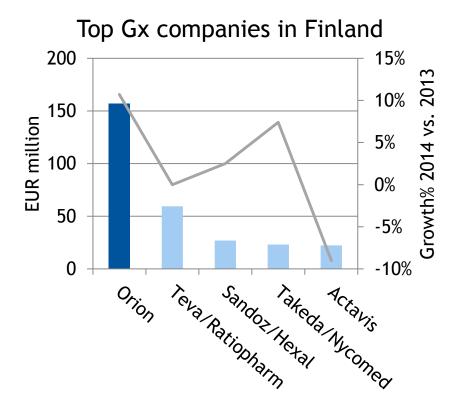
- Nordic region is Orion's home base for generic products
- Orion has been able to grow faster than the market in Nordics
- Two digit growth in Poland exceeding the market
- In Russia we are at par with the market



Source: IMS Health, sales growth (2014 vs. 2013) in EUR, except Russia in USD, Gx total growth Russia from BMI in USD



Orion's position at Gx markets is well established



In Finland, Orion continues to be the leading generics player with 37% market share Source: IMS Health, 2014

In Sweden Orion is one of the fastest growing Gx companies

Ranking	Company	Gx Growth%
Sweden		10%
#1	Sandoz	39 %
#8	Orion	33%
Denmark		6 %
#1	Sandoz	5 %
#7	Orion	-5%
Norway		3%
#1	Weifa	6 %
#7	Orion	262%
Poland		5%
#1	Polfarma	6%
#27	Orion	19 %

In Norway and Poland Orion clearly outperformed the leading Gx companies in 2014



Some key characteristics of Nordic Gx markets

	Substitution system	Primary care pricing cycle and process	Distribution channel	Hospital market
+	YES	Reference priced Gx products with quarterly pricing and reimbursement cycle	Single channel	20 health care regions & 5-6 regional tenders
+	YES	Monthly pricing	Single channel	21 health care regions & 9-11 regional tenders
	YES	Bi-weekly pricing	Multichannel	National hospital tender
#	YES	Agreed maximum price levels	Multichannel	National hospital tender



Key success factors of Scandinavian Gx business

Broad customer base

Several unique Rx products

Entry into biosimilars

Through the broad

Large portfolio

Global network of quality suppliers

portfolio Orion has developed multichannel sales processes to meet the needs of our key customer groups in a very effective way (high throughput ratio)

Solid commercialisation and customer processes

Throughput efficiency



Key success factors of Finnish Gx business

Commercialisation and customer processes

Strong OTC market share

Fast growth of OTC non-medicinal portfolio

Orion active with all customer groups

Wide portfolio of hospital products

Several Rx/OTC switches lately

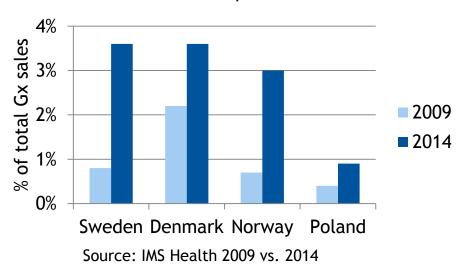
Large portfolio (~300 brands)

Several unique Rx products



Positive outlook for continued growth in all markets

Market share development of Orion Gx

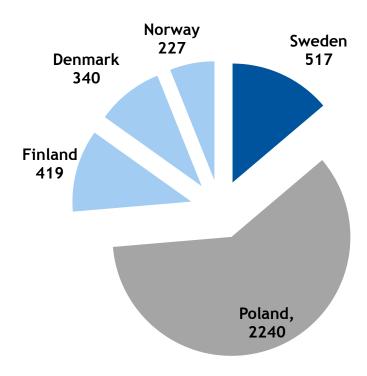


Gx market growth estimates

Gx Market	Growth 2014-2019
Finland	+2.8%
Sweden	+3.2%
Poland	+4.5%
Russia	+10.9%

Source: BMI, 2015, in local currency

Gx market size in 2014 (mEUR)



Source: IMS Health 2014

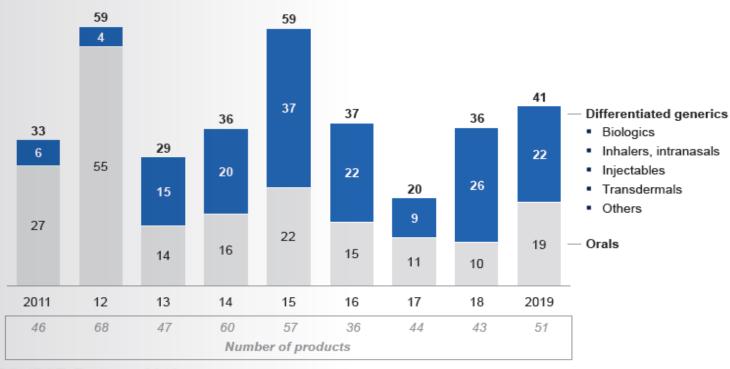


Looking into the future of Gx business

Upcoming LOE opportunities will be dominated by differentiated generics products

Estimated worldwide sales of all products losing US patent protection in the year before patent expiry

USD billions



SOURCE: Evaluate, 2013



Strategic actions for Specialty Products



OTC: Keep the market share and grasp the non-medicinal market trend with new products



Gx Pharmacy: Ensure constant flow and renewal of the porfolio with competitive COGS



Gx Hospital: Keep and grow











Orion's financial objectives

Increasing net sales.

Achievement of this objective requires continuous investment in development of the product portfolio.

Maintaining profitability at a good level.

The aim is operating profit that exceeds 20% of net sales.

Keeping the equity ratio at least 50%.

Distributing an annual dividend that in the next few years will be at least EUR 1.20 per share, and increasing the dividend in the long term.



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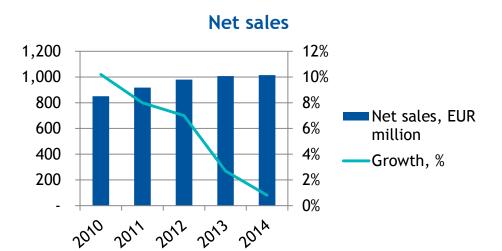
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Keeping the equity ratio at least 50%.

Distributing an annual dividend that in the next few years will be at least EUR 1.20 per share, and increasing the dividend in the long term.



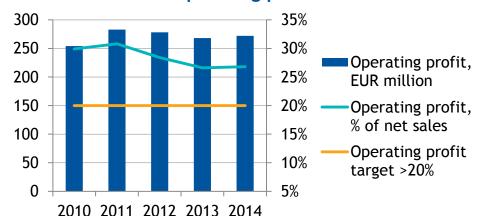
Orion's financial objectives and outlook 2015



Net sales

Net sales will be slightly lower than in 2014 (net sales were EUR 1,015 million in 2014).

Operating profit

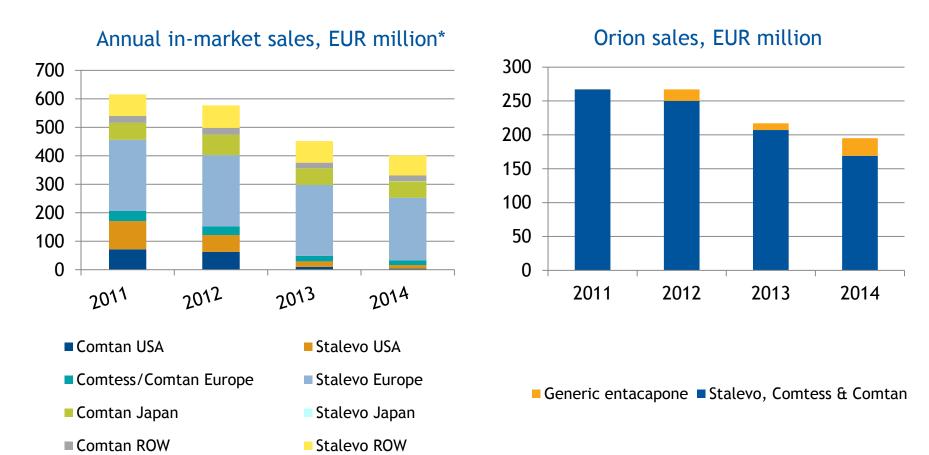


Operating profit

Operating profit is estimated to exceed EUR 230 million.



Turning points of Parkinson's franchise



	USA	EUROPE	JAPAN
STALEVO	First generics in April 2012	First generics in Q2/2014	
COMTESS/COMTAN	First generics in October 2012	First generics in Q4/2012	Data protection ended in January 2015

Balancing mid-term - building long-term

Long-term growth opportunities from R&D pipeline. Milestone payments.

Generic competition for Parkinson's franchise and Precedex.

Timing of milestone payments.

Generic drugs and self-care products.

Easyhaler® combinations and dexdor® for European markets.

Global pricing pressure, especially on new products.

Operational flexibility and efficiency.



Collaborative networks across the R&D value chain

Late stage Research Early development development Hit to Lead Lead Candidate Phase I Phase II Phase III **Target** identification generation optimisation selection, and validation preclinical dev. 8-24 mth 12-24 mth 18-36 mth 12-24 mth 12-36 mth 12-14 mth 18-48 mth **Partnering** ...and moving further ... and moving earlier **Partnering** Partnering and outsourcing



Generics Development and Product Lifecycle Management

Orion's financial objectives

Increasing net sales.

Achievement of this objective requires continuous investment in development of the product portfolio.

Maintaining profitability at a good level.

The aim is operating profit that exceeds 20% of net sales.

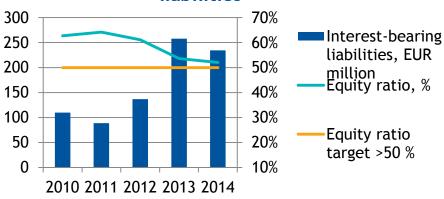
Keeping the equity ratio at least 50%.

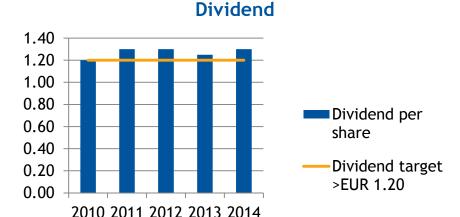
Distributing an annual dividend that in the next few years will be at least EUR 1.20 per share, and increasing the dividend in the long term.



Orion's financial objectives and outlook 2015

Equity ratio and interest-bearing liabilities



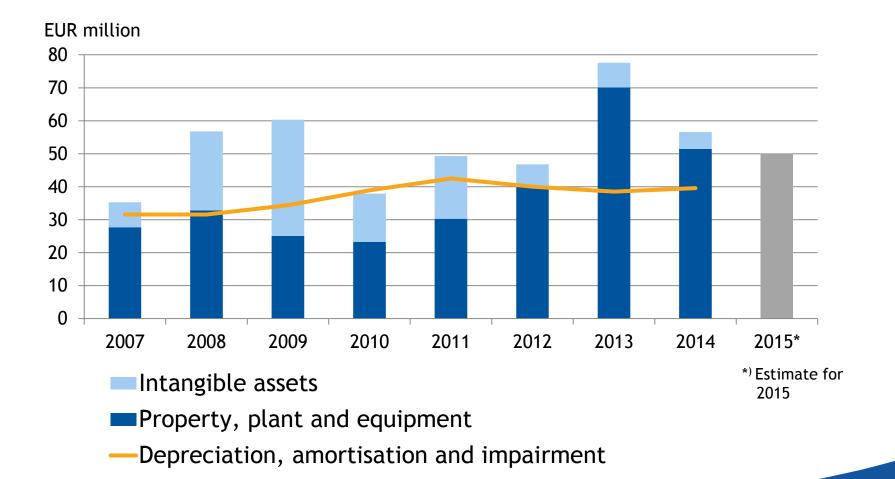


Group's capital expenditure

The Group's capital expenditure will be about EUR 50 million excluding substantial corporate or product acquisitions (The Group's capital expenditure was EUR 57 million in 2014).

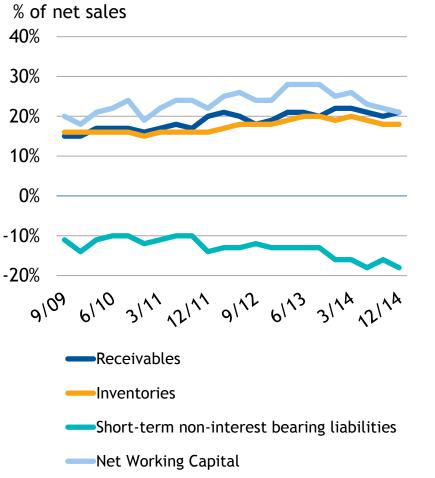


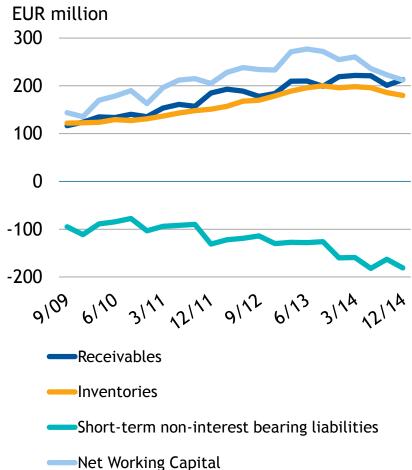
Capex normalising after investment program





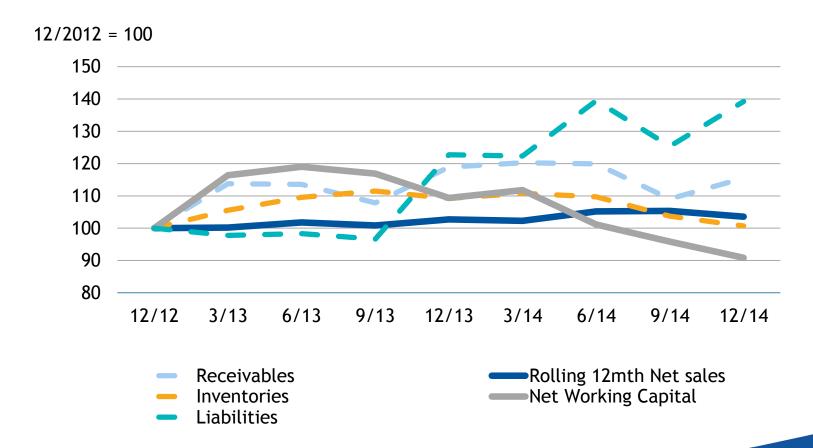
Development of Net working capital







Development of Net working capital (Indexed 12/2012=100)



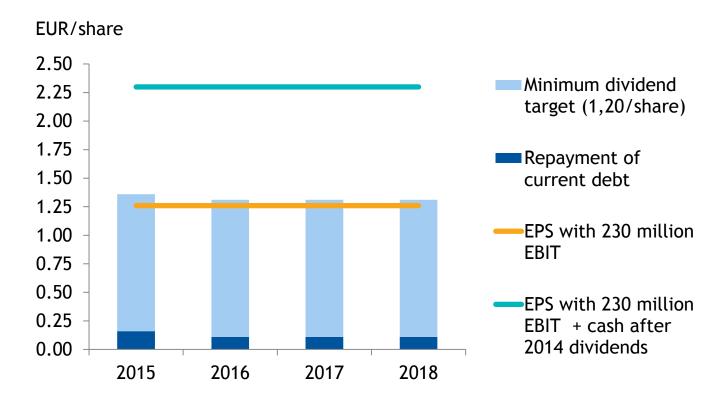


Equity structure and Profit distribution

31 Dec 2014 (EUR million)	Orion Corporation	Orion Group			
Share capital	92.2	92.2		Of these 183 million was distributed in March 2015 → left EUR	
Reserves	1.4	-44.4			
Retained earnings		-	_		
Orion Corporation	254.6	254.6		0,51/share	
Subsidiaries	75.7		IFRS and		
Consolidation and IFRS adjustments				consolidation items not available for	
Translation adjustments			←		
Non-controlling interests				profit distribution	
Total equity	348.2	514.9	-		



Funding of dividends



EPS to be quite close to free cash flow assuming

- Capital expenditure is quite close to depreciation
- Net working capital management is successful







Break







Orion Pharma Animal Health

- 2014 sales EUR 71.5 million
- Part of the top 30 Animal Health Companies Globally*
- Animal Health division of Orion consists of 68 people, in 8 countries
 - 40 people in sales in Nordics
 - 20 people in sales in CEE
 - 8 people HQ function
- Sales by species: 60% companion animal, 40 % livestock
- Majority part of sales is in-licensed products (65%)
- R&D, logistics supply chain , finance, HR and all other support functions common with Orion Corporation

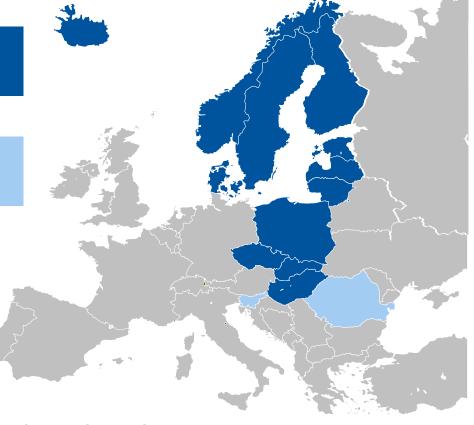
*Animal Pharm Top 30: 2013 Edition



Orion Pharma Animal Health European presence

Orion Pharma Animal Health Captive Market

Romania and Slovenia: through a distributor



Our product portfolio consists of both medicinal and non-medicinal products for animals.



Partners





ZENOAQ is a leading company for developing, manufacturing, importing, and selling veterinary pharmaceutical products in Japan.





















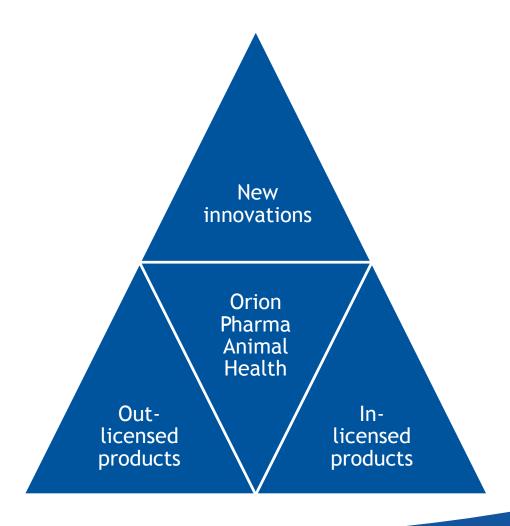








Orion Pharma Animal Health







Sileo®

First approved medicine for noise anxiety in dogs

SILEO INDICATION: Alleviation of acute anxiety and fear associated with noise in dogs

- Positive opinion for marketing authorisation from the European Committee of Medicinal Products for Veterinary Use received 10th April 2015
- Dog owners are actively seeking solutions to this welfare problem.
 Common noise events are e.g. fireworks, thunderstorms, traffic noise, construction work, festivals etc.
 - Distressed reactions to noises are one of the most common behavioral concerns for pet dogs
- Currently no licensed veterinary medicines on the market for this indication
 - Non medicinal products exist





ODM-105

First alpha-2 agonist that is active even when swallowed

Target species: dog and cat

Part of Orion's own research and development pipeline

Several potential indication areas in behavior, pain management and sedation / anesthesia





Non-medicinal portfolio

- Joints & mobility
- Digestion
- Skin & Fur
- Eye & Ear
- Wound Healing
- Mouth Hygiene
- Energy & Nutritional Supplements



Orion development in [

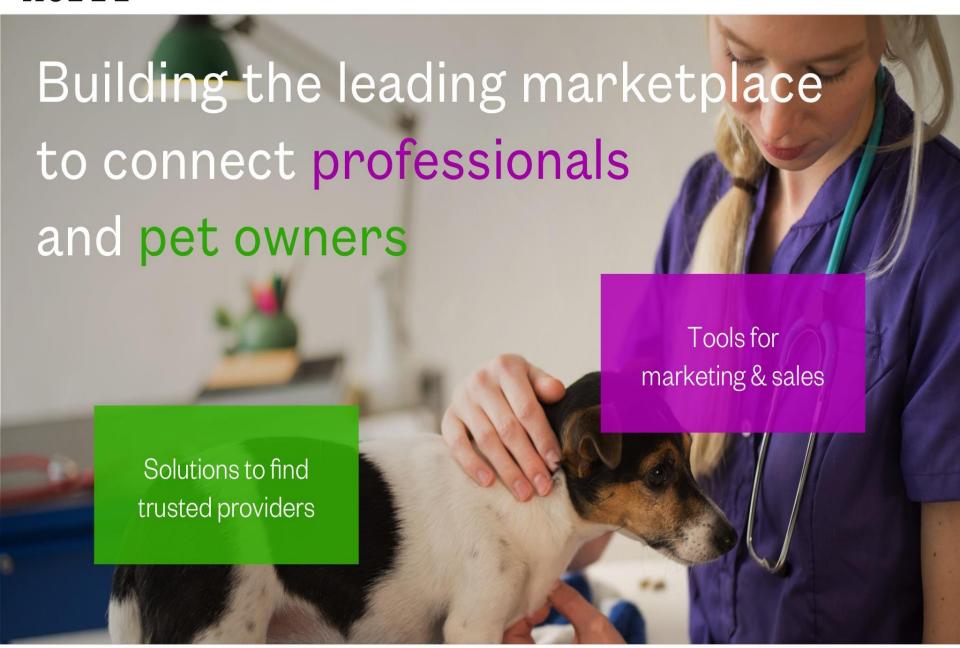
Aptus[®]

Derma line



Created by a leading Swedish dermatologist, an innovative, high-quality therapy approach targeting the root cause of sensitive skin; strengthening the skin barrier, effective combination of antimicrobial components and restoring the humidity of the skin







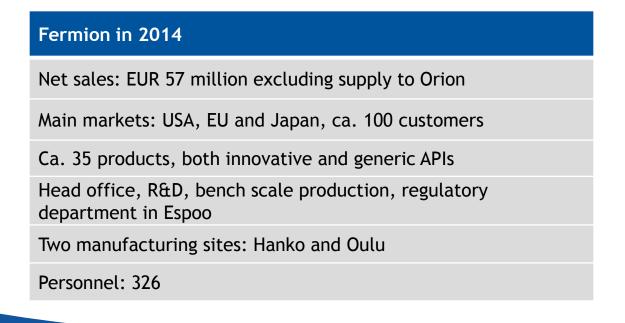


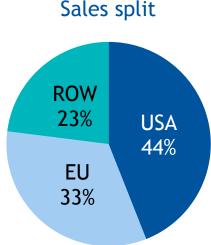


Fermion in Brief

Fully owned subsidiary of Orion Corporation Develops, manufactures and sells active pharmaceutical ingredients (APIs) Business segments:

- NCEs for Orion's existing and new proprietary products
- Generics to Orion and other pharmaceutical companies worldwide
- Custom development and manufacturing for innovators with focus on high potency APIs

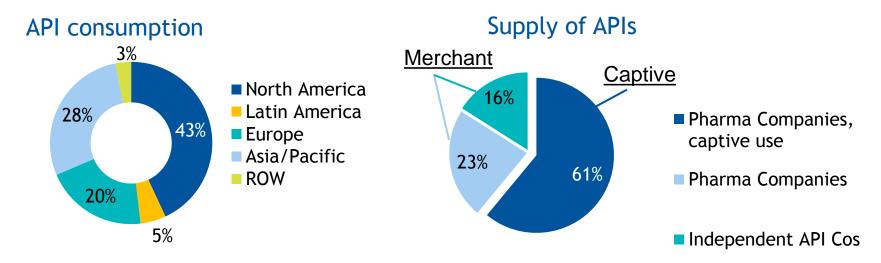






Global API Market

- 113 B\$ in 2012 of which ca. 61% is captive and 39% merchant
- Annual growth rates 2008-2012: 13.9% Asia-Pacific, 3.8% N-America, 2.5% W-Europe
- Growth rate high > 20% in oncology
- High potency APIs (HAPIs) is a fast growing segment
- Global market estimated to reach ca. 144 B\$ in 2016 and 190 B\$ in 2020



 62% of the generic API supply to merchant market comes from Asia-Pacific (esp. India and China)



Fermion Production - Chemistry in Pharmaceutical Environment

Strong regulatory authorities' (FDA, FIMEA, PMDA, MOH, KFDA, ANVISA) inspection track record

HANKO

- Fully automated
- High volume products
- Reactor capacity 240 m³

OULU

- Fully automated
- Specialty products
- Both cytotoxics and non-cytotoxics
 HAPIs up to OEB class V
- Reactor capacity 76 m³



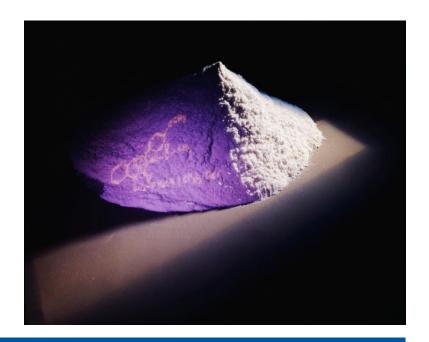




Captive Business -Strategic fit with Orion Pharma creating valuable synergy

Exclusive supply of APIs for Orion's proprietary products:

- Atipamezole HCl
- Detomidine HCl
- Dexmedetomidine HCl
- Entacapone
- Medetomidine HCl
- Levosimendan
- Toremifene citrate



Orion's strengthened clinical pipeline → Significant API process development, optimisation and industrialisation effort on-going with ODM-201, 203, 204, 104, 105, 106, 108, 109 and ORM-12741



Strong Market Position with a Number of Generic APIs

Antineoplastic

- Mercaptopurine*
- Methotrexate*
- Flutamide*
- Azathioprine*
- Irinotecan HCl

Cardiovascular

- Propafenone HCl
- Nadolol*
- Diltiazem HCl

*) Fermion TOP 1 or 2 in the world

Central Nervous System

- Buspirone HCl*
- Fluoxetine HCl
- Trazodone HCl
- Alprazolam
- Quetiapine Fumarate
- Carbidopa

Others

- Glipizide
- Sodium Cromoglycate
- Tolnaftate
- Tamsulosin HCl
- Hydroxychloroquine
- Formoterol
- Salmeterol



Custom Development and Manufacturing Services - Key differentiators

Capability to manufacture high potency APIs from gram to multi-ton scale

Regulatory-compliant, fully automated best-in-class facilities

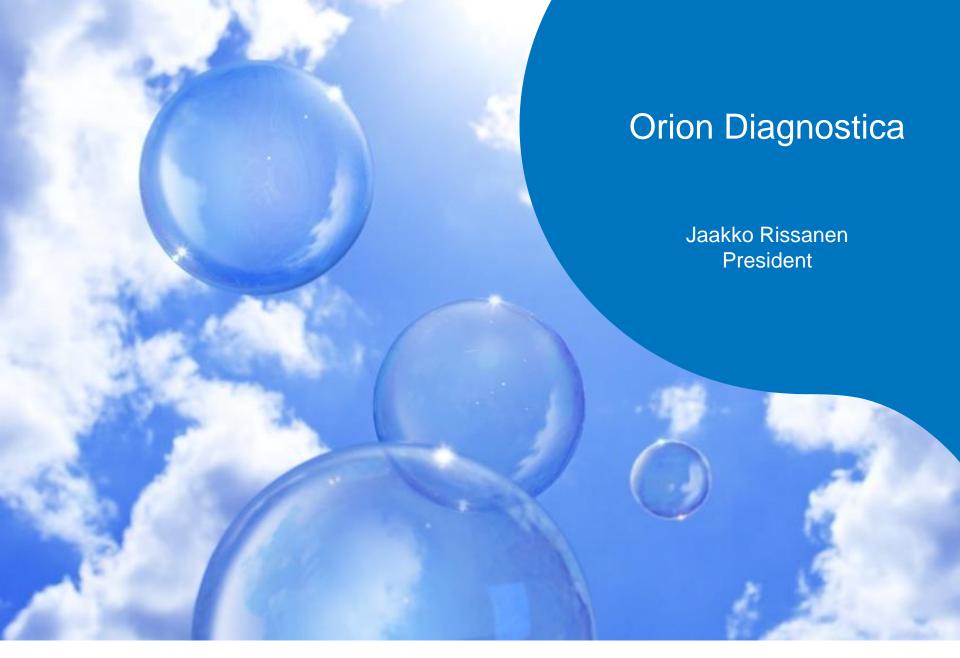
Strong experience and leading talents in crystallization, particle size engineering and impurity control

Dedicated lifecycle management engineers to ensure continuous improvements in costefficiency and product quality

High quality, occupational health, safety and sustainanility standards







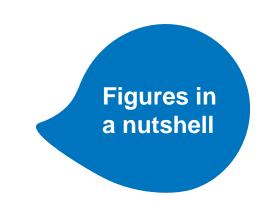


Orion Diagnostica

- In 2014 net sales 56.4 m€ (-1%)*
- Over 80% from international sales
- Operating profit 6.4 m€ (+38%)
- Main market areas: Europe (especially northern), China, USA, Japan
- Own Sales Units in Finland, Sweden, Norway, Denmark, Czech Republic, Slovak Republic, Poland, Hungary and Germany
- Distributor network covering over 60 countries
- Personnel about 300 of which 50 outside Finland
- Compliance with high quality and regulatory requirements:
 ISO 9001, ISO 13485 and FDA

^{*} comparison figures of 2013 include sales of products that were discontinued in 2013.





Smart Solutions for Healthcare & Hygiene Monitoring

Orion Diagnostica is a midsized, reliable European IVD company with over 40 years experience. We develop, manufacture and market diagnostic test systems for healthcare professionals especially in point-of-care.





We operate in the IVD growth segments

HUMAN IVD MARKET (Kalorama, 2013 figures)	USA	Europe	China	Japan	ROW	Global	CAGR
	USD billion						
Global IVD market	24.4	15.2	1.7	4.8	8.5	54.6	4
- Professional POC						6.0	4
- POC for OTC and self-testing						8.9	
- Core lab						39.7	
Global POC market (Prof & OTC) - Professional POC	9.8 5.1	7.0 2.6		0.9 5%	1.2 6%	18.8 7.8	5
Global infectious diseases						13.4	
Professional POCPOC as reference, (Alere estim)						0.9 1.5	4.4
- Core lab						12.5	5
Global MDx market	3.2	1.2	0.2	0.6	0.5	5.7	8
- POC MDx market	1.9	0.3	3%	10%	8%	2.2	
Global MDx inf diseases market - POC MDx market						3.0 0.7	8



Our customers

Point-of-Care

Small and mid-size laboratories

Infection control, industrial microbiology





Orion Diagnostica – Building well-being



A forerunner in point-of-care systems with immunological IVD POC products deployed already in the 1990s.

Our flagship product with ca 40.000 units installed globally, is the rapid, easy-to-use QuikRead go® CRP.





QuikRead go® Your support in treatment decisions

Helps to target antibiotic treatment to those who really need it Reduced risk for antibiotic resistance and cost savings in healthcare





Orion Diagnostica – Building well-being



Our newest platform on the European markets is Orion GenRead®. It is based on SIBA®, a novel isothermal molecular diagnostics technology.

It brings flexible and easy detection of pathogens for laboratories of various settings and sizes. The first tests with low sample preparation requirements target gastrointestinal pathogens, e.g. *C. difficile* and *Salmonella*.

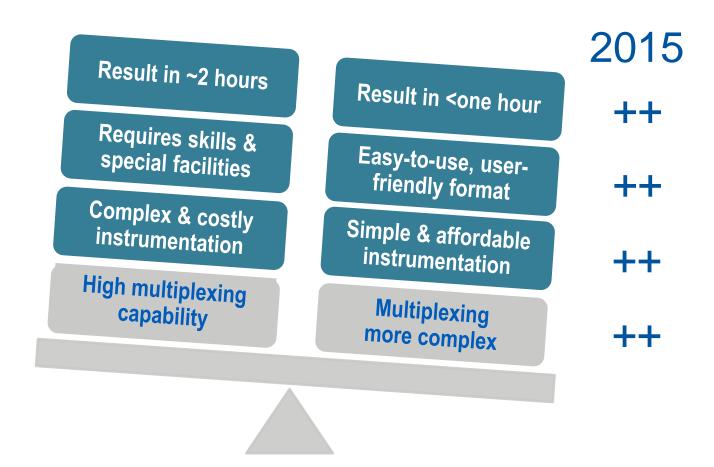






Conventional PCR vs. Isothermal NAT

Some features as presented in 2013





SIBA® - Benefits

Specificity

SYBR green detection possible

Melting curve analysis possible

Speed

Rapid reaction

Hands-on-time short due to low sample prep requirements

Sensitivity

Very low formation of artefacts allows longer run times for ultrasensitive applications

Robustness

Tolerates high protein and high salt

Temperature exact level not critical

Lyophilized format one option

Multiplexability

At least four different probe/ detection chemistry variants developed, some proprietary



Orion GenRead® Molecular testing for healthier life

Based on SIBA®, a novel isothermal molecular diagnostics technology Flexible and easy pathogen detection for any laboratory





Market Entry in In Vitro Diagnostics



COUNTRY X

- Sales channel
 - Clinical acceptance
 - → Laboratory acceptance
 - → Payer exists
 - →Trial(s) at end user
 - Procurement process
 - Purchase decision

→ ROUTINE USE = **SALES CAN START!**



Market Entry in In Vitro Diagnostics



		Clinical	Laboratory		Trial use	Procurement		
Country	Sales channel	acceptance	acceptance	Payer exists	at end user	process	Purchase	Routine use
1								
2								
3								SALES!
4								
5								
6								
7								
•								
•								
n								

- All steps need to be covered in each country before sales can start
- Effective building of a distribution network can typically start only when the product is ready (~customer validation phase)













Levosimendan development in US by Tenax Therapeutics

Development of levosimendan for Low Cardiac Output Syndrome (LCOS)

- Phase 3 LEVO-CTS trial to evaluate the efficacy of levosimendan in reducing morbidity/ mortality in cardiac surgery patients with reduced ejection fraction
- Data read out early 2016*
- Fast track status granted by FDA and protocol approved under SPA

*) www.tenaxthera.com

Possibility to include sepsis shock as an additional indication?

- Collaboration with Imperial College London for LeoPARDS trial
- Data read out in 2016*
- More information: www.leopards-trial.org



LEVO-CTS & LeoPARDS trials

Levosimendan

Low Cardiac Output Syndrome



LEVO-CTS trial

- A Double-Blind, Randomized, Placebo-Controlled Study of Levosimendan in Patients with Left Ventricular Systolic Dysfunction Undergoing Cardiac Surgery Requiring Cardiopulmonary Bypass
- 760 patients, approximately 60 centers
- ClinicalTrials.gov identifier: NCT02025621

LeoPARDS trial

- Double-blind randomized placebo controlled LeoPARDS trial to study the effect of levosimendan in septic shock
 - Levosimendan for the prevention of acute organ dysfunction in sepsis
 - Investigator initiated study performed in UK ICUs
 - Trial has enrolled over 300 of the estimated 516 patiens
 - Discussions ongoing with FDA about the possibility to include the data for US regulatory filing





Dexmedetomidine development for acute postoperative pain by Recro Pharma

Dexmedetomidine (intranasal)

Treatment of pain



- Phase II trial to study the effect and safety of intranasal formulation of dexmedetomidine in adult patients undergoing bunionectomy surgery in US
- Possibility to avoid many of the side-effects associated with opioids
- Primary efficacy endpoint is summed pain intensity difference SPID48, over 48 hours starting on post op day 1.
- As a result of interim analyses in April, the total enrollment was reduced to 170 patients (was 200-250 pts)
- Top-line results will be reported by mid-year 2015*

ClinicalTrials.gov identifier: NCT02284243



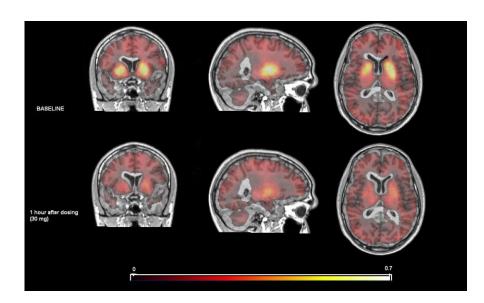
^{*)} www.recropharma.com

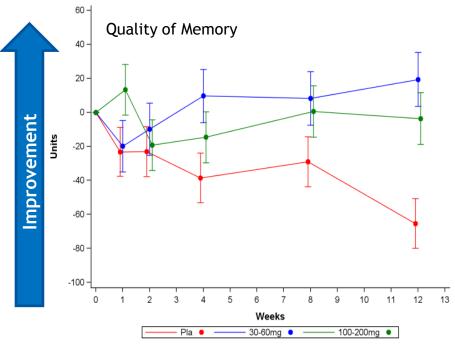


ORM-12741

- Highly potent and selective alpha-2C adrenoceptor antagonist
- Rodent models predict beneficial effects on cognition and neuropsychiatric symptoms (NPS)
- Phase 1 studies (healthy subjects)
 - Possible to administer orally
 - Well tolerated
 - Displacement of an alpha-2C PET tracer
- Phase 2a study in AD patients
 - Positive signals of efficacy in
 - Episodic and working memory
 - and
 - Neuropsychiatric symptoms

ClinicalTrials.gov identifier: NCT01324518





Phase 2 study on efficacy of ORM-12741 in AD

ORM-12741 (alpha-2c adrenoceptor antagonist)

Alzheimer's disease



lla

Improved formulation for the next Phase 2 study

- New formulation improving pharmacokinetic (PK) properties of ORM-12741 has been developed
- Phase 1 PK studies conducted to confirm qualities of the new formulation
- The improved formulation will be used in the next Phase 2 study

Objectives

- To evaluate efficacy of ORM-12741 on agitation & aggression and other neuropsychiatric symptoms
- To evaluate efficacy of ORM-12741 on cognitive performance
- To evaluate safety

Design and methodology

- Randomised, double-blind, placebo-controlled, parallel-group, Phase 2 study
- Patients with mild to moderately severe Alzheimer's disease
- 2 dose levels of ORM-12741 and placebo

Sample size

• 100/group = ~300







Treatment of Parkinson's disease with levodopa

- Levodopa is the most effective medicine for treating PD
- As PD progresses, most people will eventually require the use of levodopa (85% of PD patients receive levodopa)
- However, like all medicines, levodopa is not perfect short acting levodopa can lead to motor complications
- Longer acting levodopa with more stable plasma concentrations is an unmet need for PD treatment

Short acting levodopa

Wearing-off

Too much levodopa can cause involuntary movements

Effect of levodopa can fade and PD symptoms can return



New COMT-inhibitor ODM-104 for Parkinson's disease treatment

ODM-104 (more effective COMT inhibitor)

Parkinson's disease



- In phase I*, ODM-104 has been in well tolerated and superior to entacapone by improving COMT inhibition and levodopa pharmacokinetics in man
- Optimized carbidopa component further improves ODM-104 effect with double action on levodopa PK - levodopa exposure (AUC) increased over 30% when compared to entacapone
- Orion Pharma is currently developing a next generation PD product enabling the optimization of levodopa/carbidopa together with ODM-104
- Preparations for a phase II Proof-of-Concept study are ongoing. ODM-104
 product will be compared with Stalevo® (levodopa/carbidopa/entacapone
 combination) in 66 PD patients with end-of-dose wearing-off symptoms

*) ClinicalTrials.gov identifier: NCT01840423



Increased levodopa exposure¹ reduces OFF-time² in PD patients during different LD/AADCi ± COMTi³ treatments q.i.d - A change from Stalevo⁴

COMTi	Sinemet ⁵		Stalevo		Carbidopa+6		ODM-104		ODM-104 with carbidopa+ ⁷	
Dose mg	AUC ¹	OFF ²	AUC	OFF	AUC	OFF	AUC	OFF ¹¹	AUC	OFF ¹²
-	0.748	0.8^{9}								
100					1.26		1.20	-	1.32	In PoC study
200			1.0	1.0	1.27	-0.610	1.26	-	1.33	-

¹ Levodopa AUC 0-16 h*ng/ml in healthy subjects



² Reduction of daily OFF- time, hours by patient diary PD patients with end-of-dose wearing off

³ Levodopa/aminoacid decarboxylase inhibitor ± cathecol-omethyltransferase inhibitor

⁴ Levodopa/carbidopa + entacapone in combination or in separate tablets

⁵ Levodopa/AADCi (standard levodopa branded or generics)

⁶ Carbidopa optimized + entacapone 200 mg (ODM-101)

⁷ ODM-104 + optimized carbidopa

⁸ Kuoppamäki et al 2014

⁹ Kuoppamäki 2009

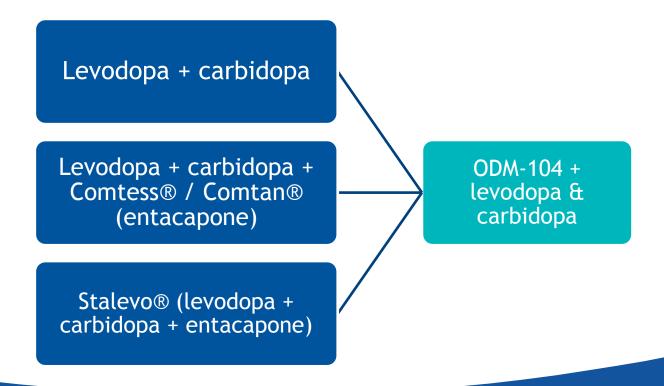
¹⁰Trenkwalder et al 2013

¹¹ODM-104 not studied alone

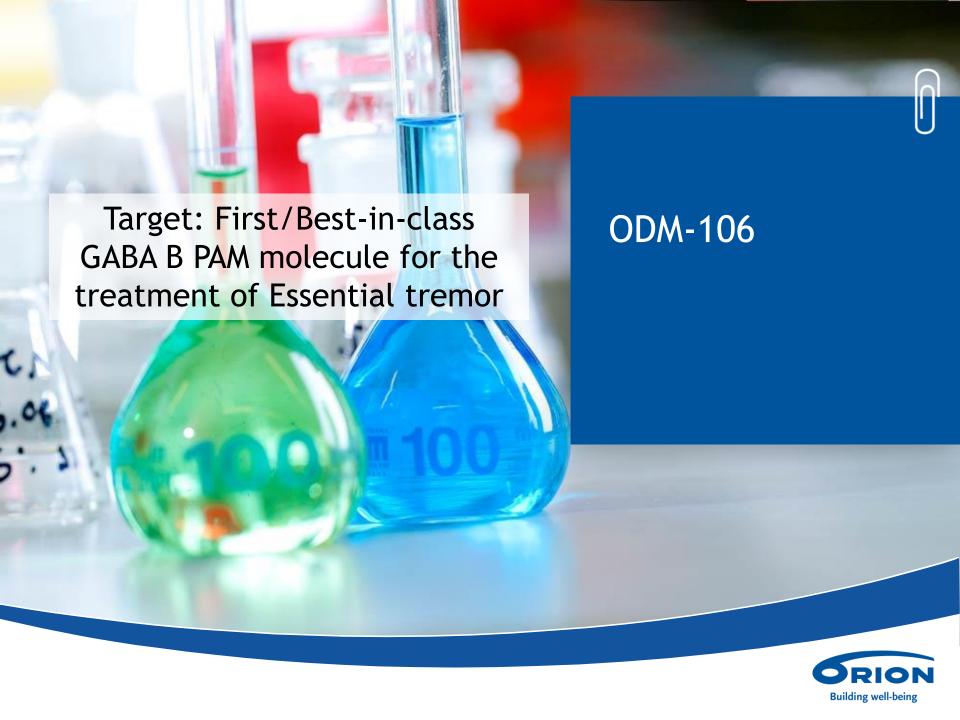
¹²To be studied

Target indication

The target indication of ODM-104 is Parkinson's disease with end-of-dose motor fluctuations - the same as the currently approved indications of Comtess®/Comtan® and Stalevo®

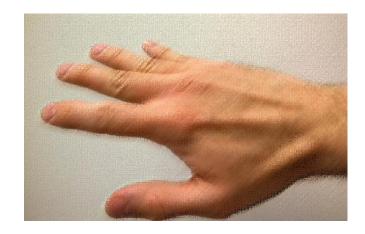






Essential Tremor

- Chronic, slowly progressive postural and/or kinetic tremor, usually affecting both upper extremities
 - May initially be intermittent and then becomes persistent
 - May also affect the head, voice, jaw, lips and face
 - Tremor amplitude is highly variable, worsened by emotion, hunger, fatigue and temperature
- Affects patients quality of life, social and employment prospects
- Most common movement disorder
 - 8 times more common than Parkinson's Disease
 - Prevalence 0.5-1.5%, >40 yr 4%
 - Usually starts in middle age or later, but possible also earlier in life





Unmet needs in Essential Tremor

Approximately 50% fail on current treatments due to efficacy or side-effects

 Mainly treated with generic beta-adrenergic blockers (propranolol) and anticonvulsants (primidone)

Deep Brain Stimulation (DBS) used for last option for the treatment of severe patients

Current R&D activity is low

- SAGE-547, a GABA-A PAM, in clinical phase as an infusion
- Some non-drug therapies in development for more severe cases



GABAB PAM (gamma-aminobutyric acid B positive allosteric modulator)

Positive allosteric modulator: a ligand that binds to a distinct (allosteric) site on the receptor and hereby increases the activity of the endogenous agonist

Decrease of GABA activity in several brain areas in essential tremor which could be ameliorated by a GABAB PAM

Advantages of a PAM

- A more physiological approach
- Better safety and selectivity
- Less side-effects
- Avoiding development of tolerance through receptor desensitization



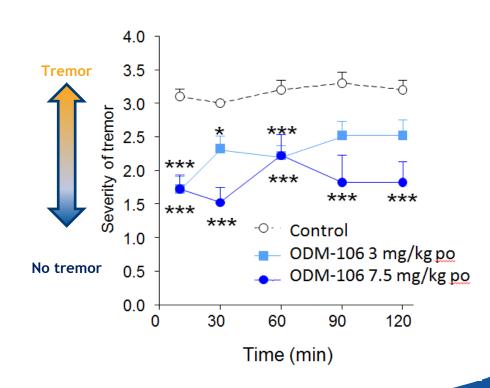
ODM-106 shows efficacy and safety in Essential tremor

ODM-106 (GABA-B receptor positive allosteric modulator)

Essential tremor



- Alleviates tremor in essential tremor animal model (harmaline -induced tremor)
- No signs of development of tolerance after repeated doses
- No sedative or other CNS side-effects in preclinical models
- Well tolerated in the preclinical safety studies
- Efficacy also shown in parkinsonian tremor, levodopa-induced dyskinesia and pain models
- Phase I FIMPAM trial ongoing



ClinicalTrials.gov identifier: NCT02393950





Neuropathic Pain

Caused by a lesion or disease affecting the somatosensory nervous system

Trauma, infection, cancer, anti-cancer treatments, etc.

Causes distress and suffering

- Very high impact on quality of life
- Sleep, enjoyment of life, work and earning are all affected

Prevalence 3.3-8.2%



Unmet needs in Neuropathic Pain

High unmet need as currently available treatments only work as monotherapy in < 30% of those treated

Treatment options include serotonin-noradrenaline reuptake inhibitors, (duloxetine, venlafaxine) tricyclic antidepressants, pregabalin, gabapentin, opioids, tramadol, carbamazepine, botulinum toxin A, capsaicin patches and lidocaine patches

Most patient use several medications concomitantly

Various molecules with novel mechanism of action in phase 2 development



TRPA1 antagonist (Transient Receptor Potential Ankyrin 1)

TRPA1 receptors are expressed on pain neurons and when activated sends signals of pain in humans

Highly competitive target with very difficult chemistry

Advantages of TRPA1 antagonist

- Robust functional antagonism
- High selectivity
- Less side-effects
- No tolerance to repeated dosing



ODM-108 shows efficacy and safety in Neuropathic pain

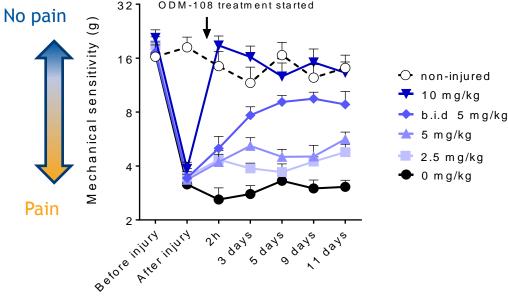
ODM-108 (negative allosteric modulator of TRPA1 ion channel)

Neuropathic pain



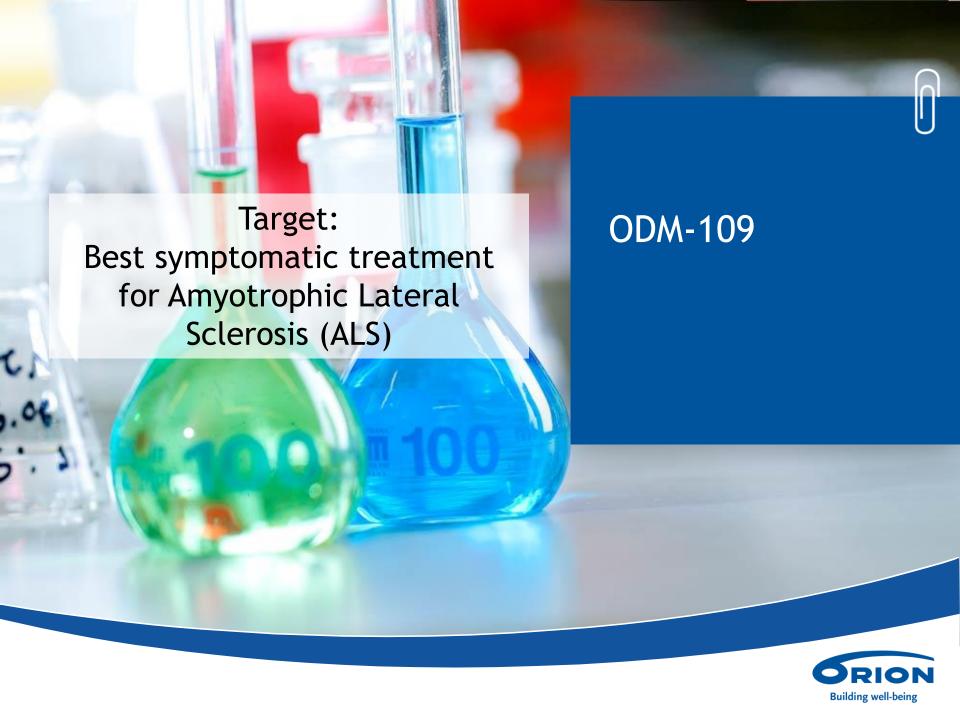
- ODM-108 blocks pain in several animal models of pain (STZ in figure, SNI, CFA)
- No CNS side-effects seen in preclinical models
- Well tolerated in the preclinical safety studies
- Phase I FIMTRIP trial ongoing

ClinicalTrials.gov identifier: NCT02432664



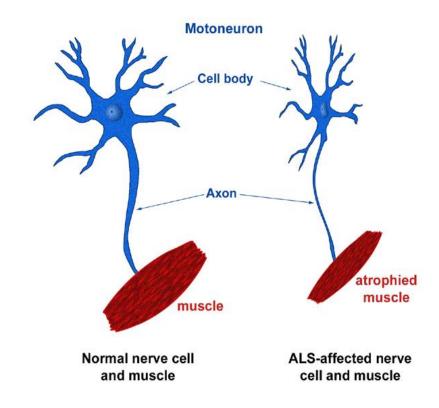
Time after first drug treatment





Amyotrophic lateral sclerosis - ALS

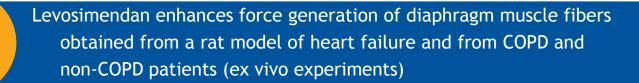
- Orphan disease with prevalence of
- ~0.4 patients/10,000
- Degeneration of motoneurons leads to skeletal muscle weakness and diaphragm failure
- Causes premature death (3 years median survival time from symptom onset)
- Decreases Quality of Life of both patient and caregiver
- No symptomatic treatments for muscle weakness available



A clear unmet need in ALS for a drug that improves endurance and function at the level of diaphragm /skeletal muscle force



Data supporting development of ODM-109 for ALS



Levosimendan improves human diaphragm function in healthy subjects *in vivo*

Levosimendan and its long-acting metabolite OR-1896 show a positive effect on skeletal muscle function (endurance) in Myasthenia Gravis rat model functionally mimicking ALS

By increasing skeletal muscle force and endurance, levosimendan has potential to improve respiratory function, muscle fatigue and QoL in ALS patients



Levosimendan increases calcium sensitivity by binding selectively to troponin C in cardiac and skeletal muscles

Effect/parameter	Levosimendan			
Calcium sensitization (troponin C)	+			
Affects fast muscle fibers	+			
Affects slow muscle fibers	+			
ATP/oxygen sparing effect	+			
Long-acting metabolite	+			
Crossing BBB	_			
PK interaction with riluzole	_			



LEVALS study - levosimendan in ALS patients

ODM-109 (oral levosimendan)

ALS





- The first phase II study aims to demonstrate beneficial effects on respiratory function
- Double-blind, cross-over design with 3 treatment periods
- Cross-over part of the study is followed by an open-label part for 6 months an opportunity to study long term effects
- The study will recruit approx. 50-60 patients in Europe

Levosimendan potentially delays the need for respiratory support and improves QoL in ALS patients by increasing skeletal muscle force

Regulatory considerations for ODM-109

- Possibility to seek parallel orphan designation in EU and US
- Several options for fast track designation





Q&A

