

Arctic Bioscience Company Presentation

March 2021



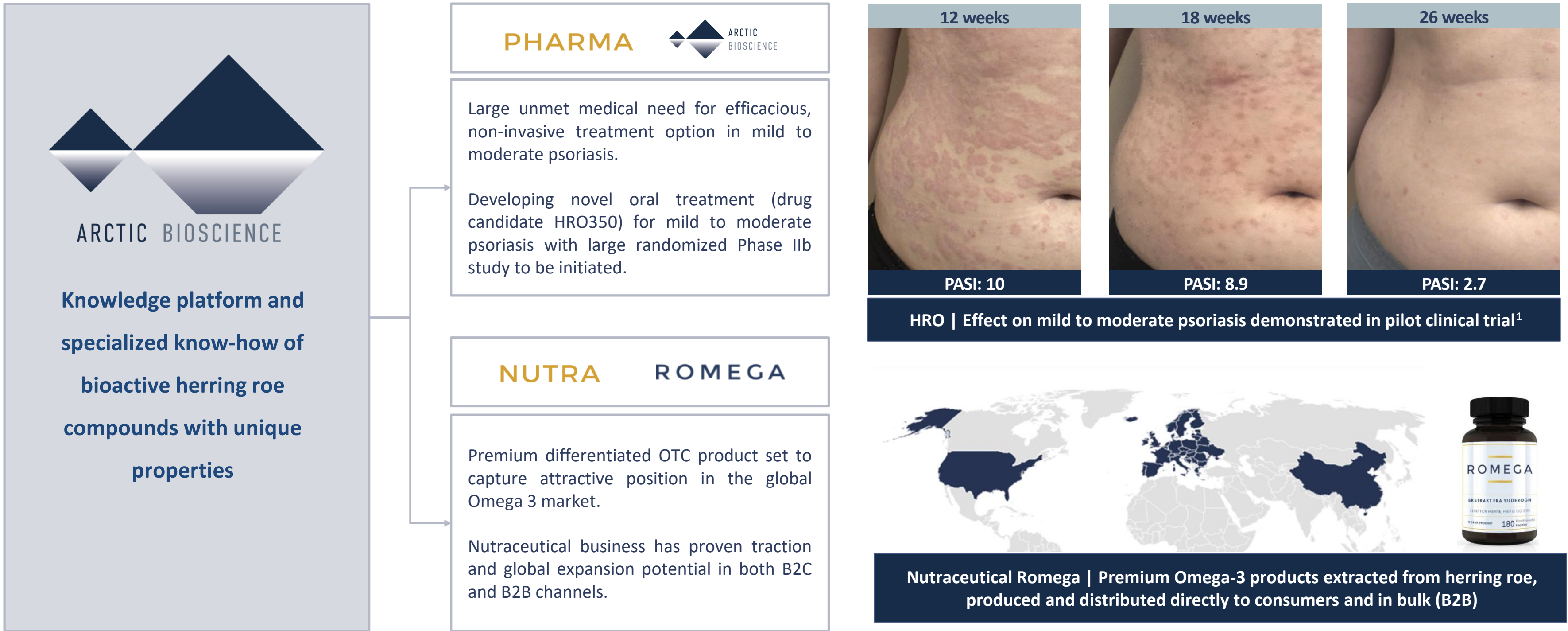
Company highlights

Key value proposition



Arctic Bioscience

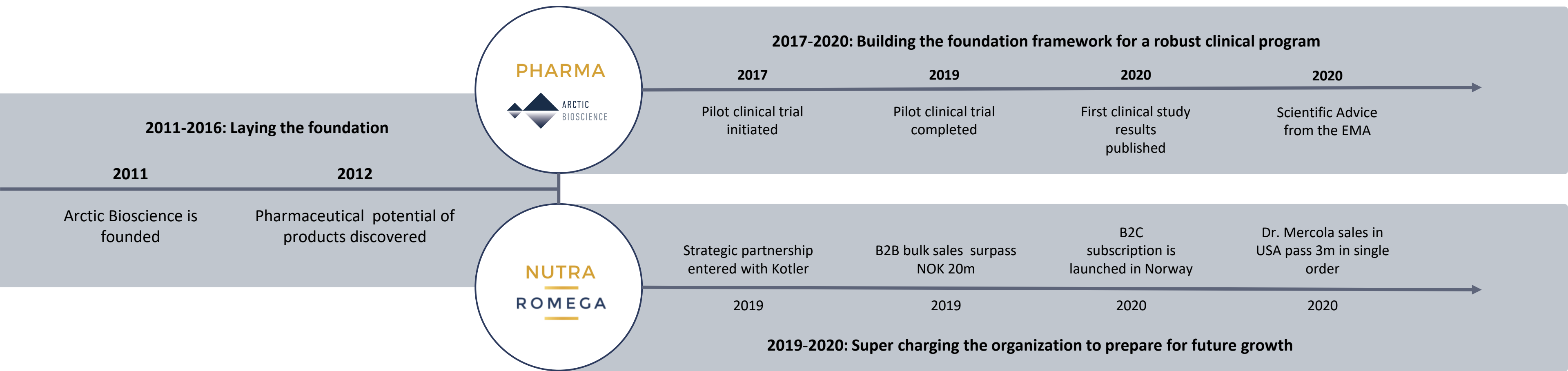
Two unique businesses shaped built on a single proprietary platform technology platform



Founding story

Arctic Bioscience was founded based on unique knowledge and know-how about the benefits of herring roe

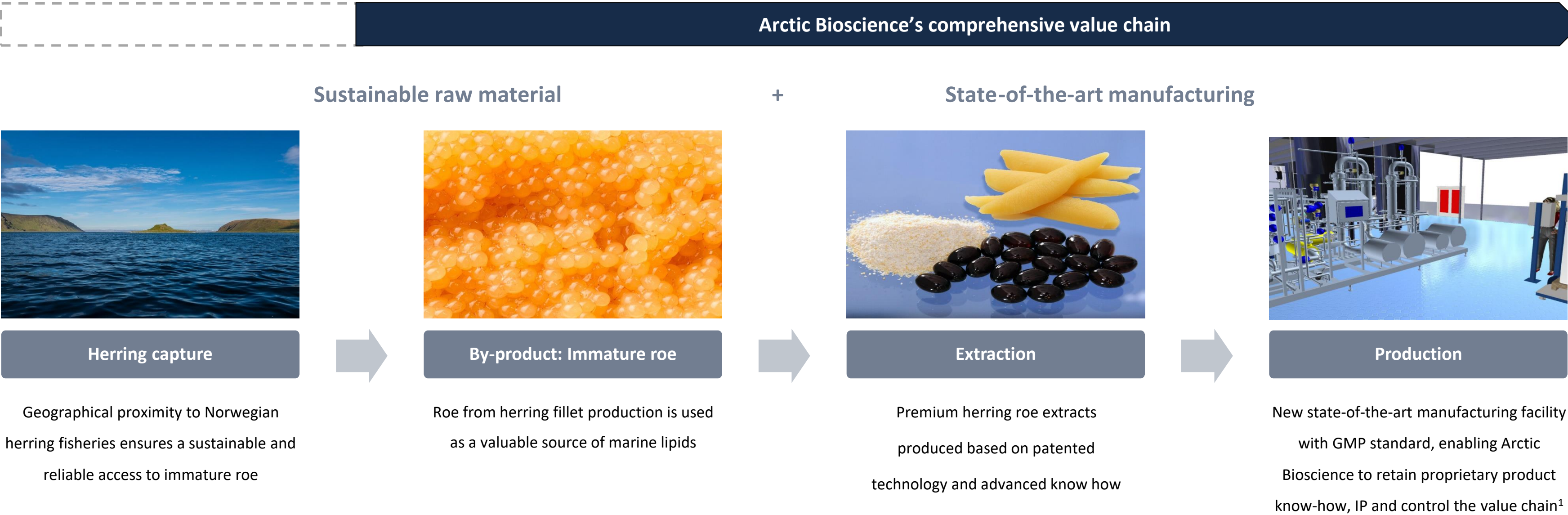
Key lessons learned through nutra product enables efficient development of the pharma product



Significant resources deployed into R&D to enable attractive routes to market

Proprietary technology platform with control over value chain

Sustainable competitive advantage ensured through vertical integration of the value chain



Exciting pharma opportunity in
mild to moderate psoriasis









Targeting large patient population with mild-to-moderate psoriasis

WHO has called for new, safe, and effective medications¹

- **~24 million people in EU & US have psoriasis**
- ~3% prevalence rate
- Worldwide market of ~230 million patients

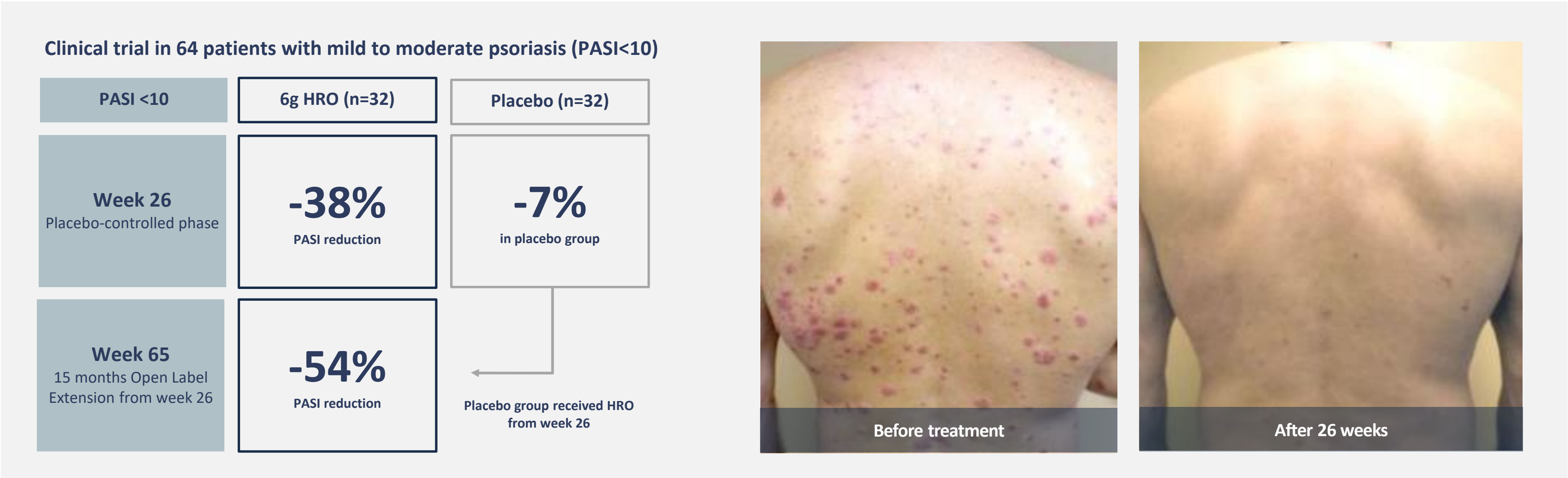
- **~90% of the cases are mild to moderate psoriasis**
- Target market of ~21 million people in the EUR & US and ~210 million patients worldwide

| Country | Incidence rate | Prevalence rate | Prevalent pool (mill) |
|---|----------------|-----------------|-----------------------|
|  | 0.07% | 3.2% | 10.5 |
|  | 0.14% | 2.8% | 1.9 |
|  | 0.52% | 2.5% | 2.1 |
|  | NA | 5.7% | 3.7 |
|  | 0.23% | 3.1% | 1.9 |
|  | NA | 2.3% | 1.1 |
| Total number of psoriasis patients | | | 21.2 |

Unique pharma opportunity in mild-to-moderate psoriasis

EMA CHMP also supportive

Randomized, double-blind placebo controlled clinical trial showed statistically significant improvement in mild to moderate psoriasis compared to placebo

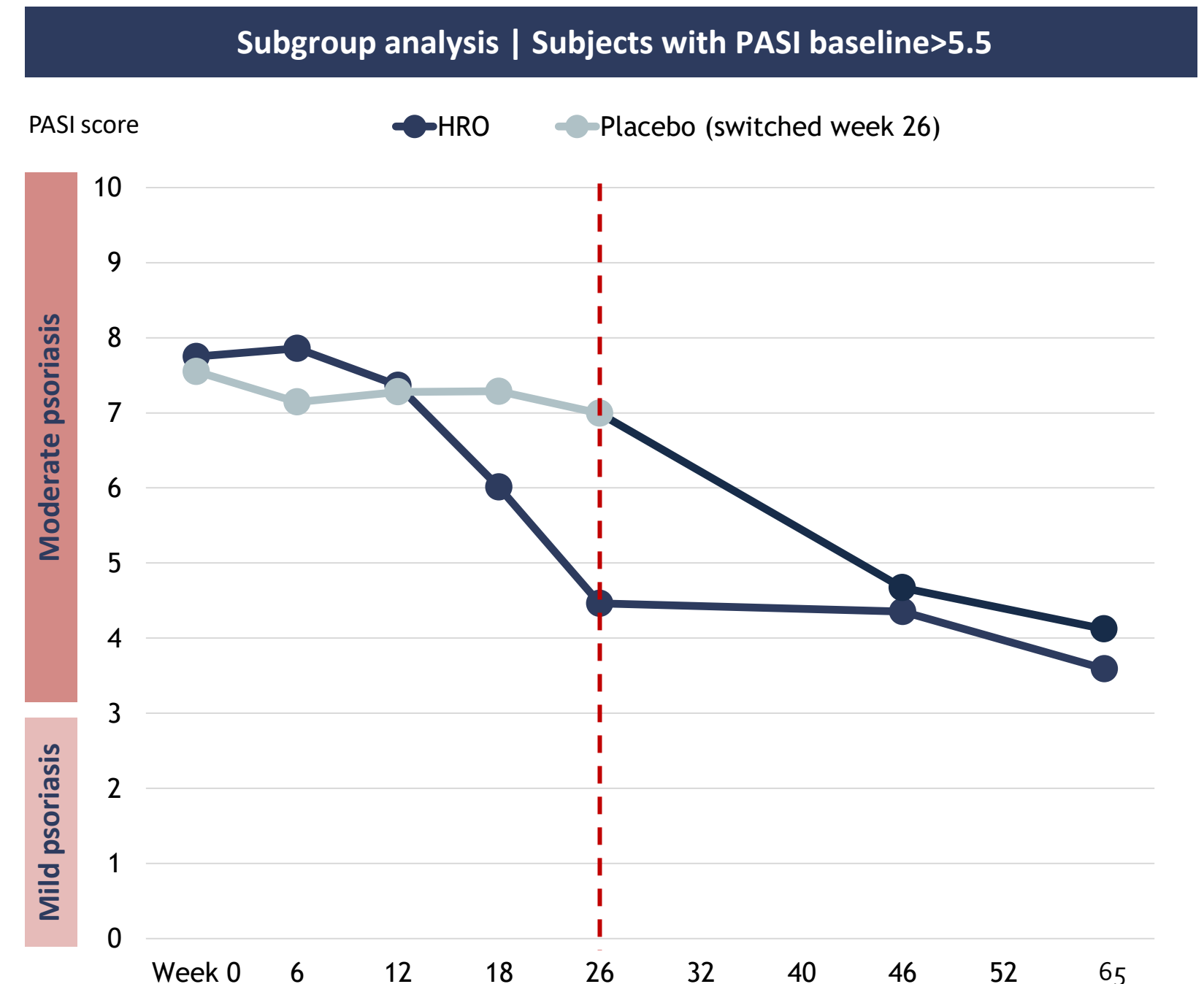


- **Trial:** Randomized, placebo-controlled pilot clinical trial in patients with mild to moderate psoriasis (Psoriasis Area Severity Index, PASI <10)
- **Results:** Clinical signals of efficacy combined with beneficial safety profile
- The drug candidate HRO350 will be produced according to GMP and represents an attractive and differentiated asset with potentially beneficial safety profile and ease-of-use as oral treatment in mild to moderate psoriasis
- Potential for a first-in-class therapeutic treatment for a global population with few existing treatment alternatives

Greatest efficacy seen in subjects with moderate psoriasis

Statistically significant improvement in PASI versus placebo

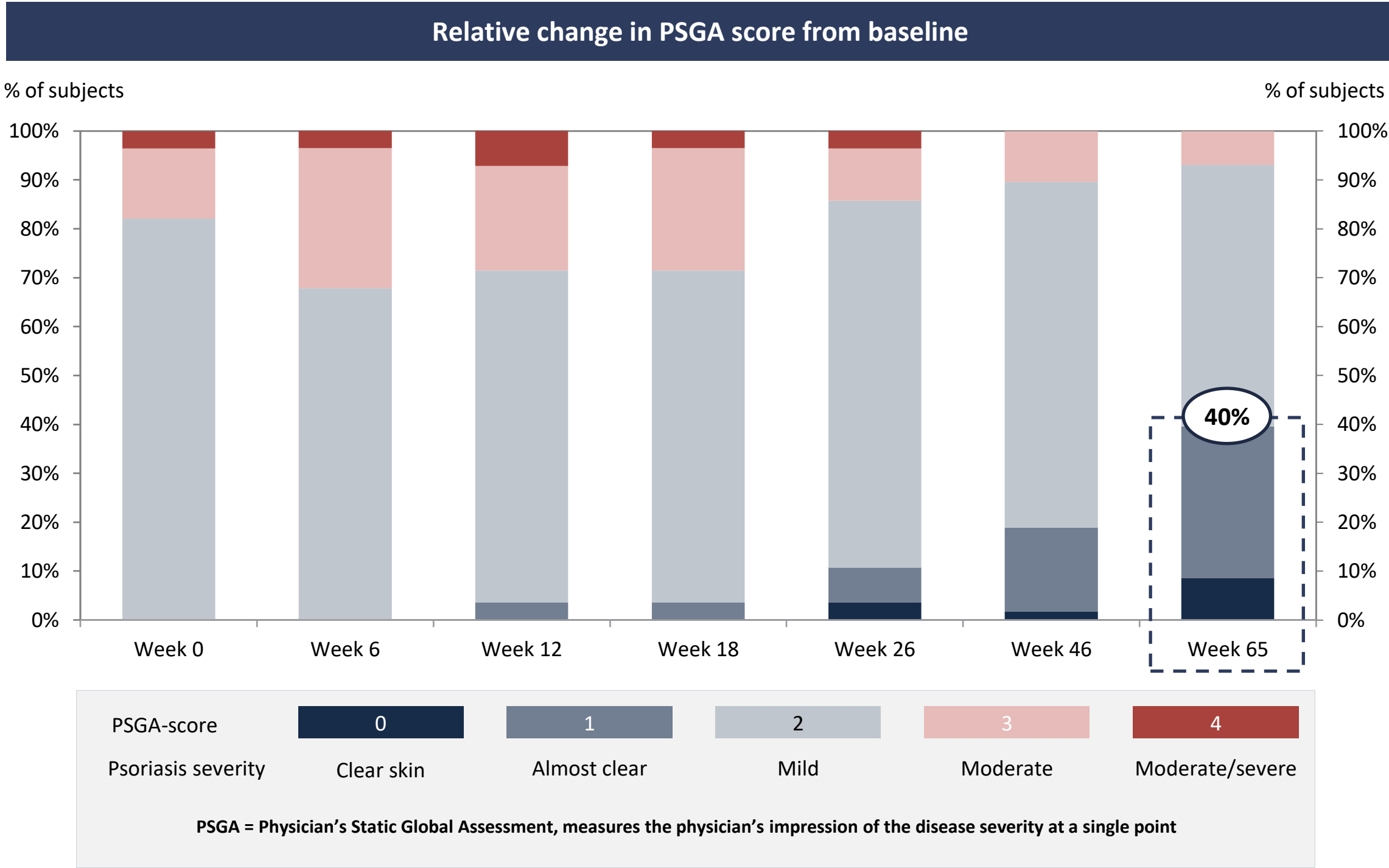
- Randomized, placebo-controlled pilot clinical trial in mild to moderate psoriasis (PASI<10, n=64)
- Primary end-point: Change in mean Psoriasis Area Severity Index (PASI) at week 26
- Statistically significant improvement in mean PASI with HRO versus placebo at week 26
 - Overall PASI reduction of 38% at week 26
- Greatest PASI reduction at week 26 observed in subjects with moderate psoriasis
 - Subjects with baseline PASI >5.5 showed average reduction of -2.4 PASI score
- Well tolerated, no serious adverse events were related to the administration of active treatment or placebo at week 26



Mean change in PASI score at week 26 estimated to -2.4 with a 95% confidence interval <-4.3, - 0.5>, p = 0.0157 (n=31 with PASI>5.5). Week 26 – 60 was an open label extension with no placebo-control (n=28 with PASI>5.5)

Efficacy is sustained and increases over time

Supported by secondary variable (PSGA) at week 65 (n=58)



Improvement in disease severity

- All patients had PSGA scores ≥ 2 and ≤ 4 at inclusion
- 40% of patients achieved clear-or-almost clear skin after 65 weeks
- After 65 weeks no patient had a PSGA score higher than 3
- In total, 46.6% of patients had a reduction in their PSGA score

Natural product with compelling safety profile

Based on unique know-how throughout proprietary production process, protected by strong IP

| Safety profile Well tolerated in pilot clinical trial | Natural product Extract from herring roe | |
|--|--|--|
| <div>“</div> <div>No serious adverse events were related to the administration of active treatment or placebo</div> <div>– Conclusion from pilot clinical study after 26 weeks¹</div> | Strong commercialization advantages | <ul style="list-style-type: none">✓ Demonstrated efficacy from pilot clinical study✓ First-in-class oral treatment✓ Better safety profile than alternatives✓ Possible prevention of disease progression✓ Possible effect on comorbidities✓ Low incremental health care cost |
| | High barriers to entry | <ul style="list-style-type: none">✓ Broad lipids patent portfolio and herring roe extracts✓ Secured access to raw materials✓ Unique know-how in proprietary production process✓ Market protection in EU for 10 years from marketing authorization (MA) |

Open market opportunity for safe and effective oral treatment

Clear need for new therapies targeting the moderate psoriasis segment

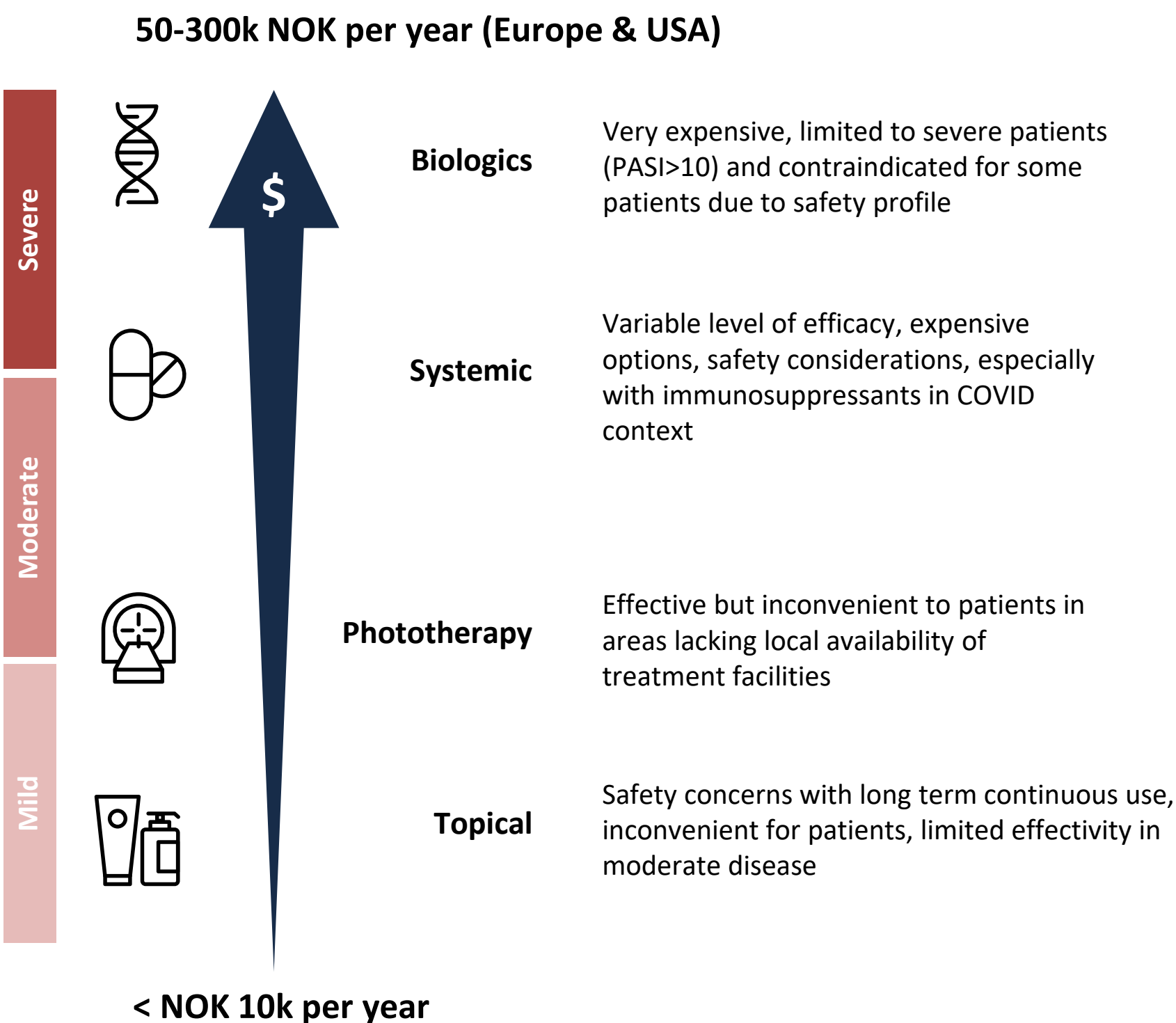
| | Mild (PASI<3) | Moderate (PASI>3) | Severe (PASI>10) |
|----------------------------|--------------------------------|----------------------------------|--|
| Oral | | <div>ARCTIC BIOSCIENCE</div> | <div>almirall Bristol-Myers Squibb</div> |
| Parenteral (injections) | | | <div>abbvie janssen Lilly NOVARTIS</div> |
| Topical | <div>LEO maynepharma</div> | | |
| Price point | <10K NOK/year | 30-50k NOK/Year | 50-300 NOK/year (Europe & USA) |

| HRO350 scores well against competitors | | |
|--|-----------------------|---|
| ✓ | Administration | Oral |
| ✓ | Active substance | No other product with active product ingredient |
| ✓ | Psoriasis indication | Mild to moderate disease |
| ✓ | Severity at inclusion | Few treatment options for non-severe disease |
| ✓ | Efficacy level | Efficacy in mild to moderate disease demonstrated in pilot clinical trial |
| ✓ | Quality of life | Improvement in quality of life demonstrated in pilot clinical trial |
| ✓ | Safety profile | Well tolerated in pilot clinical trial |
| ✓ | Monitoring | 50% of competitive products require monitoring – unlikely needed for HRO350 |

PASI: Psoriasis Area and Severity Index

Key Opinion Leaders see significant unmet medical need

Few treatment options for mild to moderate psoriasis



“
The biggest unmet need is that of an oral therapy that is totally safe and effective. We have some terrific biologics out there, but the issue is not everybody likes to be injected, not even if it is once in 3 months.”

– Practicing Dermatologist, US

“
Otezla (apremilast) is a very expensive drug, I will use it only in exceptional cases, only on patients who have had a history of cancer or infections and need more safety, cannot tolerate MTX.”

– Senior Physician, Department of Dermatology, Germany


“
I don’t like to use a lot of biologics for moderate patients. Each new generation coming into market is so expensive, it costs so much to the healthcare system. I would prefer non-biologic, oral treatments.”

– Practicing Dermatologist, US


Large Phase IIb study to drive pharma forward


Initiating phase IIb trial to investigate efficacy, safety and dose of drug candidate HRO350 versus placebo


Phase IIb study design

Patients: 519 

Duration: 60 Weeks
Primary endpoint: 26 weeks

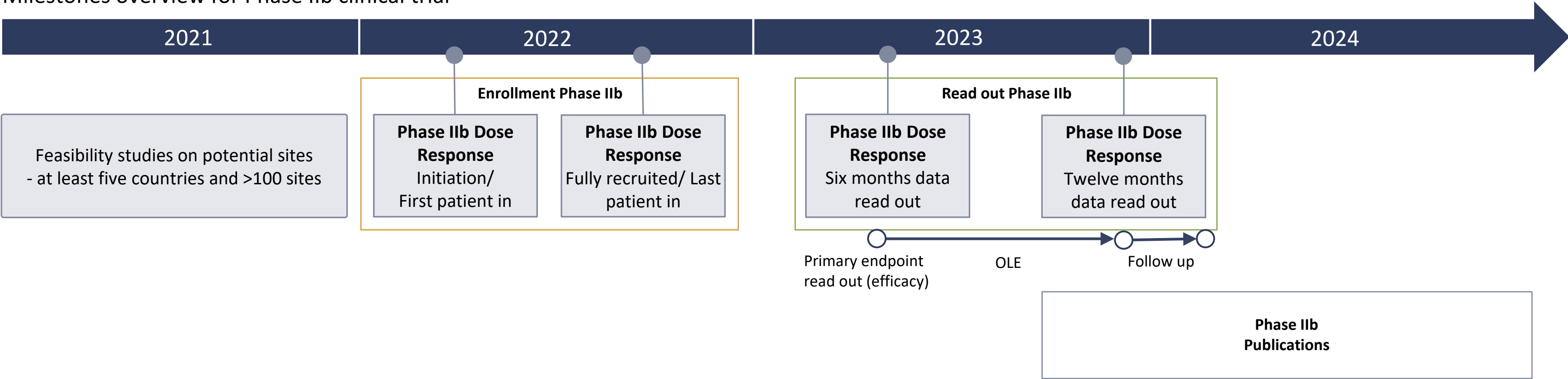
173 patients
6g HRO350 

173 patients
3g HRO350 

173 patients
Placebo 

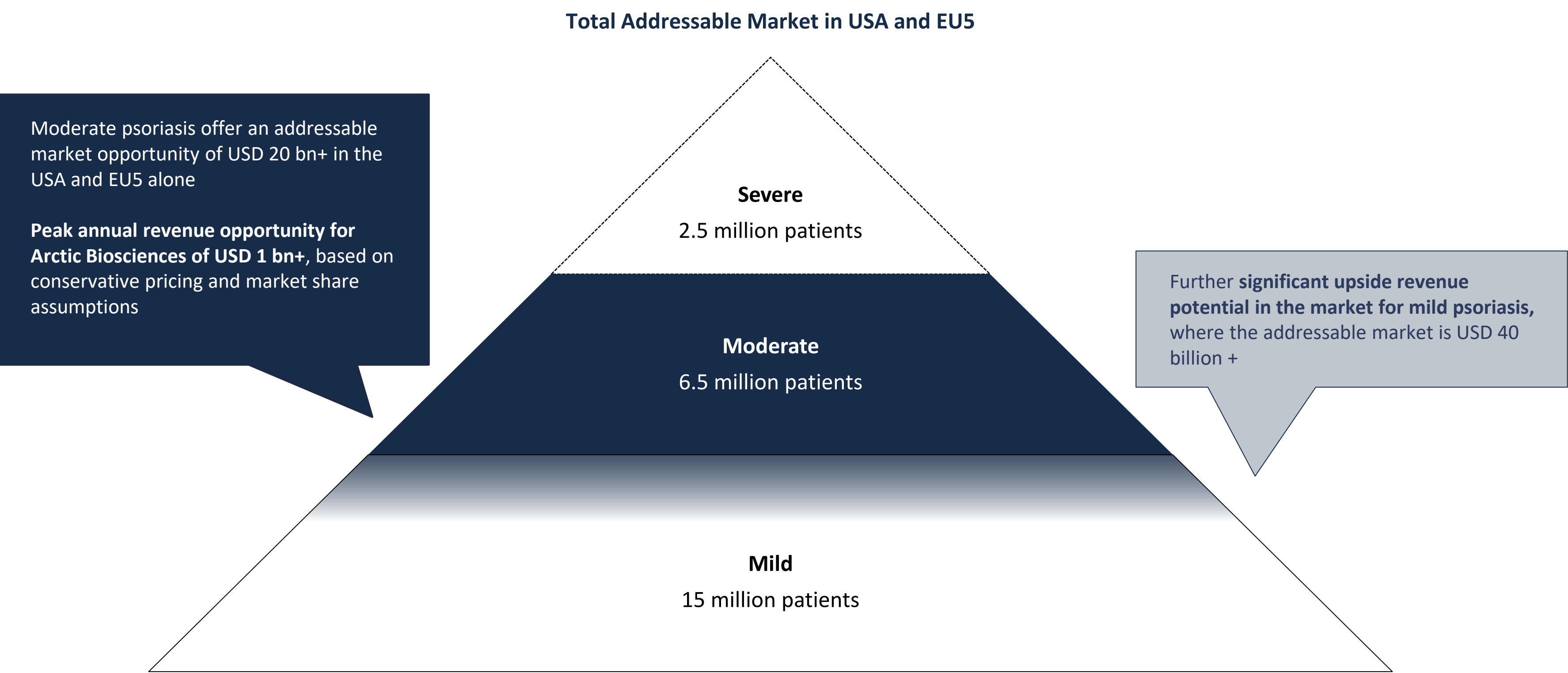
- Initiating large randomized Phase IIb study in 1Q 2022 in patients with mild-to-moderate psoriasis
- Given successful Phase IIb study the company plans to initiate a Phase III study, submit MMA and prepare for commercialization through partnerships
- Potential for ‘first-in-class’ therapeutic treatment for a global patient population with few existing treatment alternatives

Milestones overview for Phase IIb clinical trial



USD 20bn+ market opportunity in moderate psoriasis alone (USA + EU5)

USD 1bn+ per year revenue opportunity in moderate psoriasis with further substantial revenue upside in mild psoriasis



Cash generating nutraceutical
business with clear growth strategy



ARCTIC
BIOSCIENCE

Nutraceutical business

Romega | Premium Omega-3 products extracted, produced and distributed directly to consumers and in bulk (B2B)



Key highlights

Cash generating and business with loyal and growing customer base

Vast global omega-3 market set for further growth, with Romega attractively positioned vs. competition

Organization ready to execute on proven international go-to-market strategy, with key partnerships already secured

Multiple avenues for growth through B2C and B2B sales as well as through distribution partners

Model partnership with Kotler in China validates market potential and strategy



Premium differentiated product

- Bioavailability:** Significant source of Omega-3 in phospholipid form with documented high absorption
- Phospholipids:** Rich in DHA & EPA phospholipids, contains choline & Vitamin D
- DHA:EPA ratio of 3:1**

Financials

Historical Nutra sales (NOKm)

| | | |
|------|------|------|
| 2018 | 2019 | 2020 |
| 24.9 | 30.1 | 20.3 |

Geographical growth focus



Norway

US

Europe

China

Key performance indicators (2020)

Total revenue

NOK 20.6m

Subscription revenues

NOK 3.4m

Gross margin

~30%

Successful launch in China through Kotler partnership

Partnership with Kotler serves as precedent for Arctic Bioscience's go-to-market strategy going forward

China – an ideal target market for Romega

- **Massive market** – Several billion dollar Omega-3 market with strong growth expected due to rising middle-class population coupled with strong underlying drivers
- **Attractive selling points** – Unique membrane lipid Omega - Premium quality made in Norway - High status of caviar products in China



China is one of the largest Omega-3 markets in the world

Developed strong relationship with Kotler for efficient market entry and sales growth

- **Nature of partnership:** Kotler taking ownership in Arctic Biosciences¹ and lead on marketing strategy – well known for its world-class marketing expertise
- Deep **local market insight** and resources available for sales and distribution
- Established diverse **e-commerce platforms** for initial market entry in 2020



Tailored prenatal product launched in China together with Kotler

Foundation for long-term export success story set – Strategic partnership model to be replicated

- **2020 test launch:** Early sales data have been positive and demonstrates great adoption in the Chinese market – the stage is set for a long-term export success story
- **Model partnership:** The partnership with Kotler is illustrative of the preferred B2B2C go-to-market strategy going forward.
- Further collaborations with Kotler and other partners to be explored in **new geographies**



Philip Kotler & Ole Arne Eiksund (CEO)

Nutraceutical business longer-term ambitions

| Metric | Outlook and Strategy |
|--|---|
| High % revenue growth | <ul style="list-style-type: none">▪ Fastest growth expected in high margin finished product categories (both B2C and B2B) and protein▪ Strategic sales and marketing partnerships in APAC and USA represent efficient routes to market |
| Sharp increase in gross margin | <ul style="list-style-type: none">▪ Improvement driven by investment in new factory, benefits of scale and shift towards sale of higher margin B2C/B2B finished products |
| Increased B2C subscription revenues | <ul style="list-style-type: none">▪ B2C subscription based revenues expected to ‘step’ increase in the coming years and comprise a relatively steady share of revenues thereafter▪ Focus on Scandinavia, USA and selected European markets |
| Increased B2B2C sales through strategic partnerships | <ul style="list-style-type: none">▪ Shift towards sales of higher margin finished good products over bulk ingredients in B2B strategy (new channel focus)▪ Strategic partnerships will focus on B2B2C sales of finished goods and white label products |
| International focus | <ul style="list-style-type: none">▪ Increased focus on the USA and APAC as the fastest growing and least price sensitive markets for nutraceuticals▪ Expand product portfolio and upsell new products |

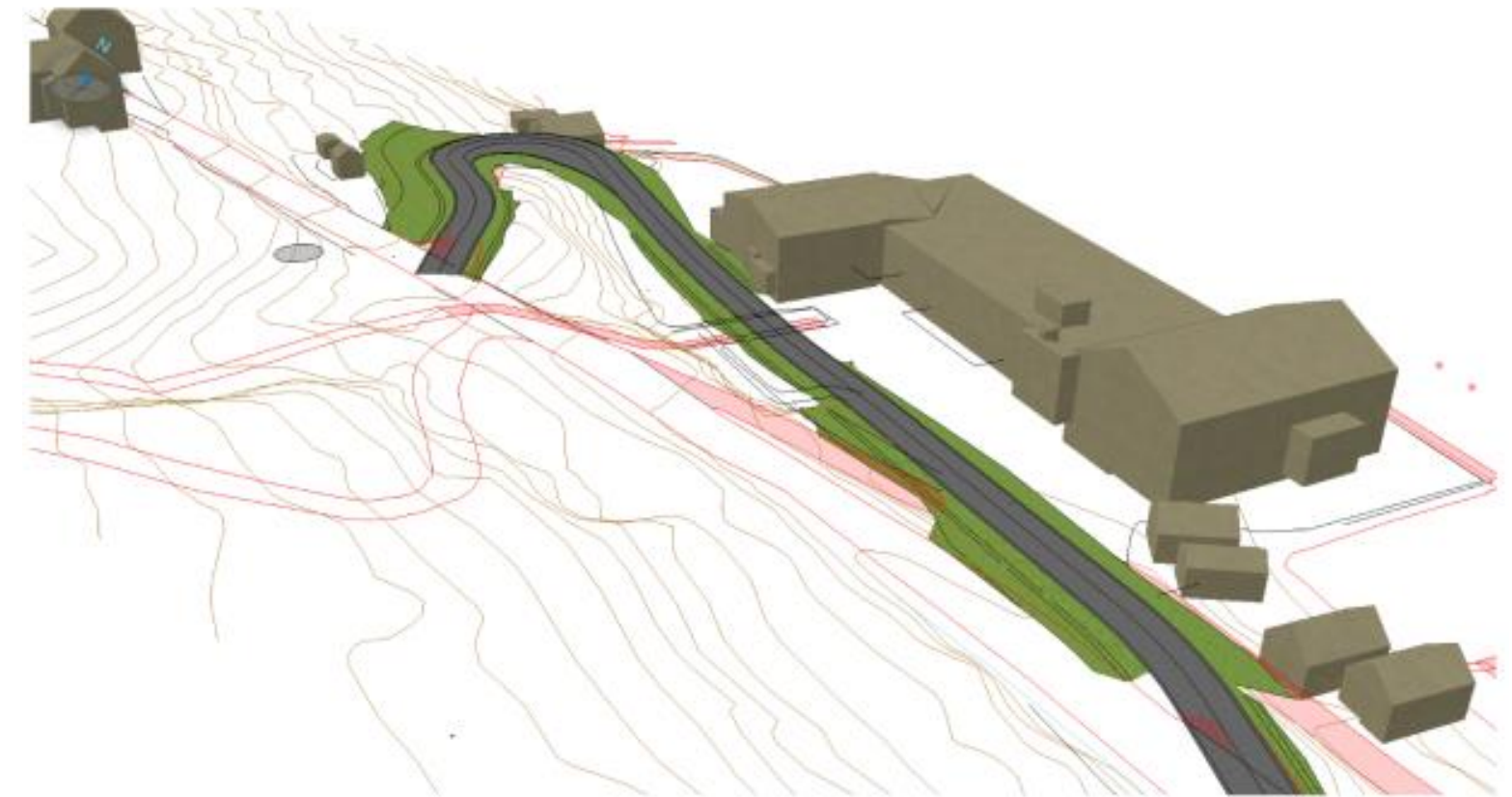
Both businesses underpinned by
proprietary technology and
strong management team



State of the art manufacturing facility

Vertical integration throughout the value chain seals sustainable competitive advantage

- Investing in growth through a new state-of-the-art manufacturing facility with GMP standard
- Secures full control of value chain from proprietary know-how and IP through sustainable raw material to world-class manufacturing
- Enabling production of Phase III clinical material and drug candidate HRO350
- Leads to step improvement in margin in nutraceutical business



Strong management team

Broad experience within the pharmaceutical and nutraceutical industries

Management team with top expertise and experience



Ole Arne Eiksund, MSc, MBA
CEO
+30 years experience
Former positions include Commercial Director in GSK and VP Global Sales in Hofseth Biocare and EVP Rimfrost.



Danielle Glenn, BA
CFO
+20 years experience
Former global macro hedge fund manager at Goldman Sachs and Caxton, CEO, CFO and CSO of multiple startups in US, UK and Norway



Runhild Gammelsæter, PhD
Global Medical Director
+15 years experience
Former positions include medical leadership roles in GSK, Abbvie and Abbott, as well as experience from start-up biotech



Hogne Hallaråker, MSc
CSO
+15 years experience
Founder of Arctic Bioscience and more than 15 years of experience from nutra industries



Per Christian Sæbø, MSc
COO
+20 years experience
Former positions include Lipid Development Director in Natural ASA and Site Manager at EPAX, Hovdebygda



Daniele Mancinelli, MSc
CTO
+20 years experience
R&D specialist in omega -3 fatty acids and responsible for concept testing, verification and up-scaling



Yuming Feng, PhD
EVP Global Business Dev
+30 years experience
Former positions include Procurement Manager at Campbell's, EVP at Zoneco and CEO at Holley Int.



Lauren Jensen, MBA
SVP Sales and Marketing
+15 years experience
Former positions within global marketing, branding and communications for mid-size and large enterprises

Advisors with long experience in pharmaceutical development

Åge Nærdal Cand. Pharm. Former positions include CEO GlaxoSmithKline AS, 30 years experience from pharmaceutical industry. Advises on pharmaceutical business development

Kari Grønås, Cand. Pharm. Broad experience from the pharmaceutical/biotech industry and securing regulatory approvals. Advises on regulatory processes and CMC development of GMP product

Knut Smerud, MSc, biochemistry. Owner of the CRO Smerud Medical Research. Advises on clinical development program, clinical trial design and regulatory processes

Kåre Steinar Tveit, MD. Dermatologist at the Haukeland University Hospital, Norway. Advises on clinical treatment of psoriasis

Investment highlights

Key value proposition

| | | |
|---|---|---|
| 1 | Significant unmet medical need in psoriasis represents USD 20bn+ market for moderate psoriasis alone | <ul style="list-style-type: none">• Large target market with 21m patients across EU and the US in 2019¹• Few and poor treatment options and a patient population with a high degree of disease-involvement |
| 2 | Strong scientific rationale and promising clinical effect in mild-to-moderate psoriasis | <ul style="list-style-type: none">• Efficacy signals demonstrated in a completed randomized controlled clinical trial, showing sustained and increased effect over time^{2,3}• Unencumbered asset with worldwide rights retained |
| 3 | Cash generating and growing nutraceutical business | <ul style="list-style-type: none">▪ Strong foundation secured through cash-generating nutraceutical business that supports pharmaceutical development▪ Revenue of NOK 20.6m for 2020, with strong growth expected through launch in new markets |
| 4 | Proprietary technology platform with control over value chain underpins both businesses | <ul style="list-style-type: none">▪ In-house manufacturing facility to be constructed and an experienced R&D-team securing attractive gross margins and full control of the value chain▪ Protected by a comprehensive portfolio of patents, technological know-how, and confirmed freedom to operate |
| 5 | Robust ESG footprint | <ul style="list-style-type: none">▪ Sustainable end-product based on immature roe, a by-product of herring capture▪ Strategically situated to ensure sustainable access to immature roe |
| 6 | Strong management team with broad experience within the pharmaceutical and nutraceutical industries | <ul style="list-style-type: none">▪ Executive team with an average of 20 years of relevant industry experience▪ Broad experience within the pharmaceutical and nutraceutical industries |

