



Arctic Bioscience Company Presentation

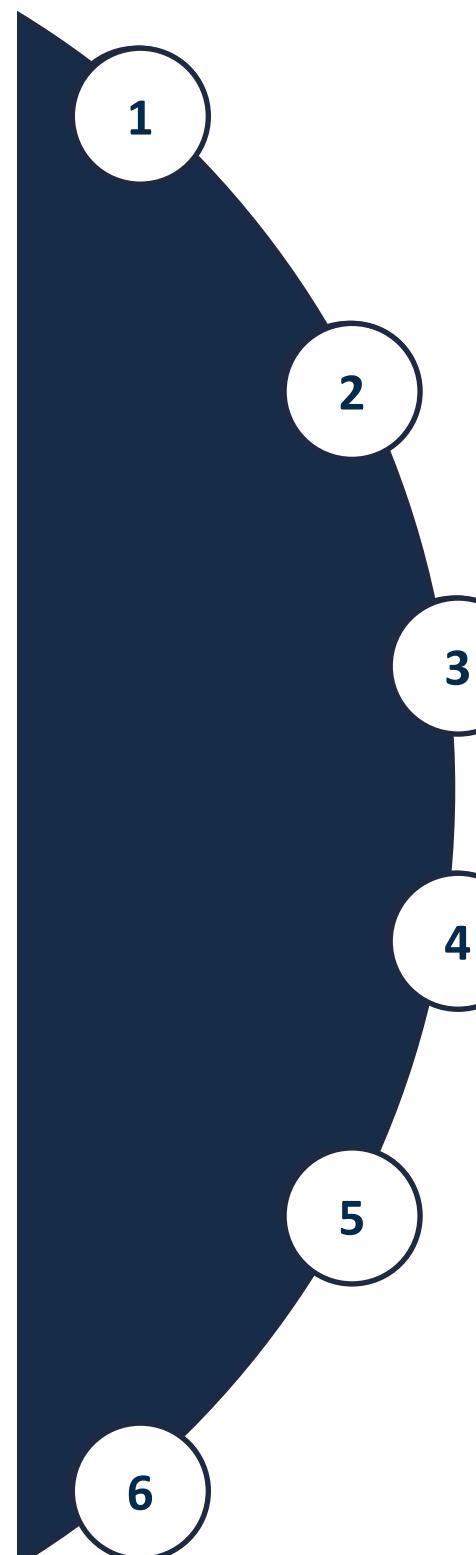
March 2021



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Company highlights

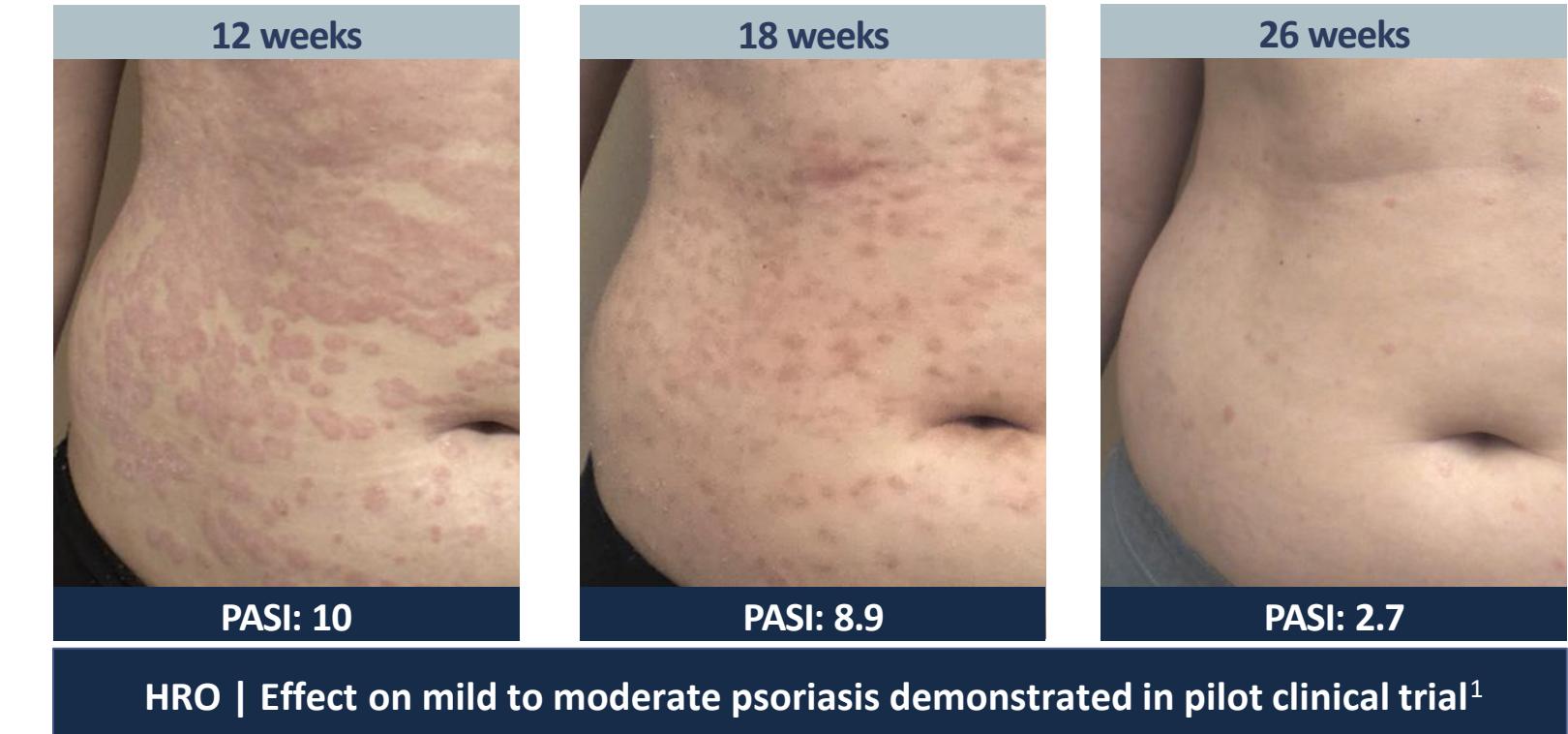
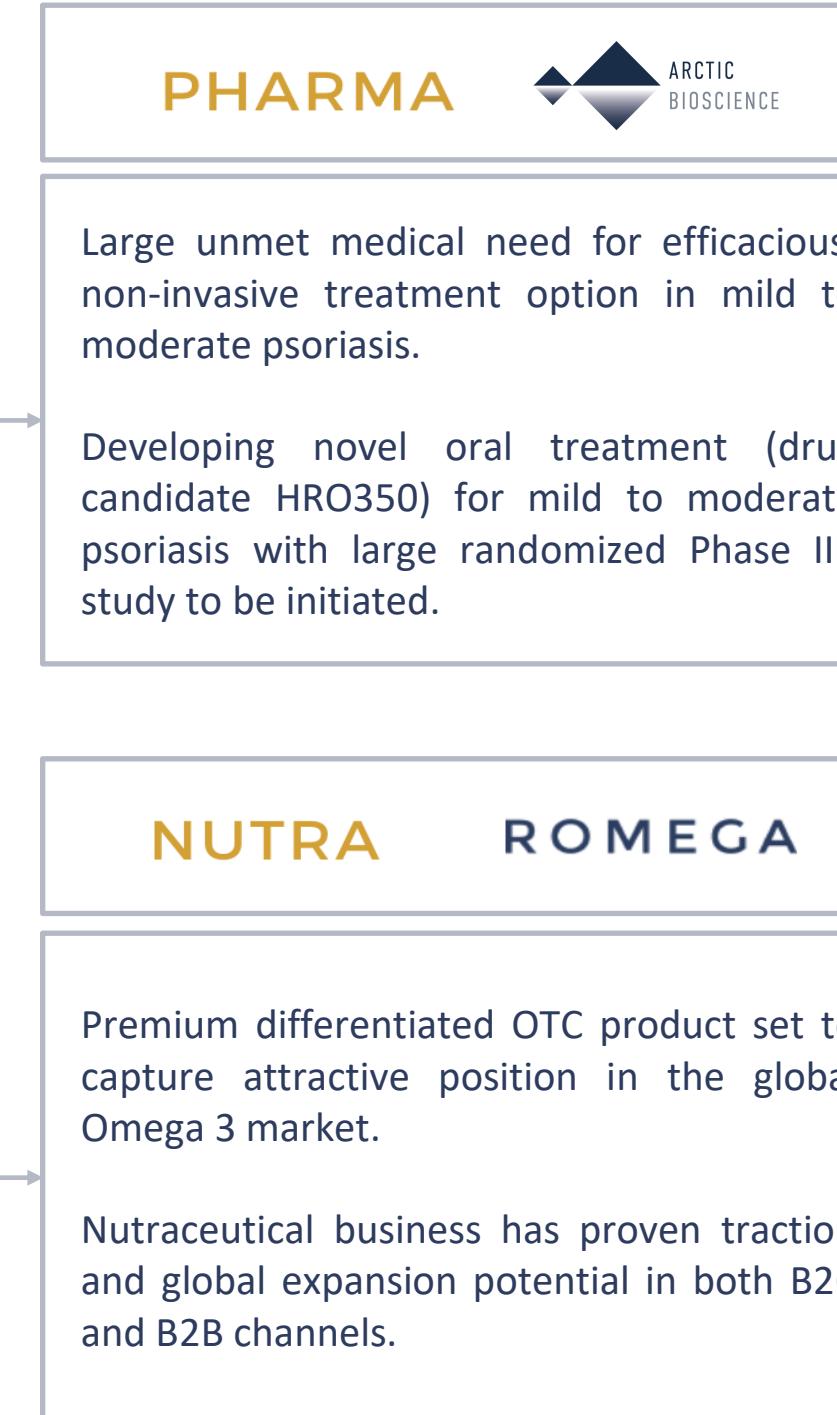
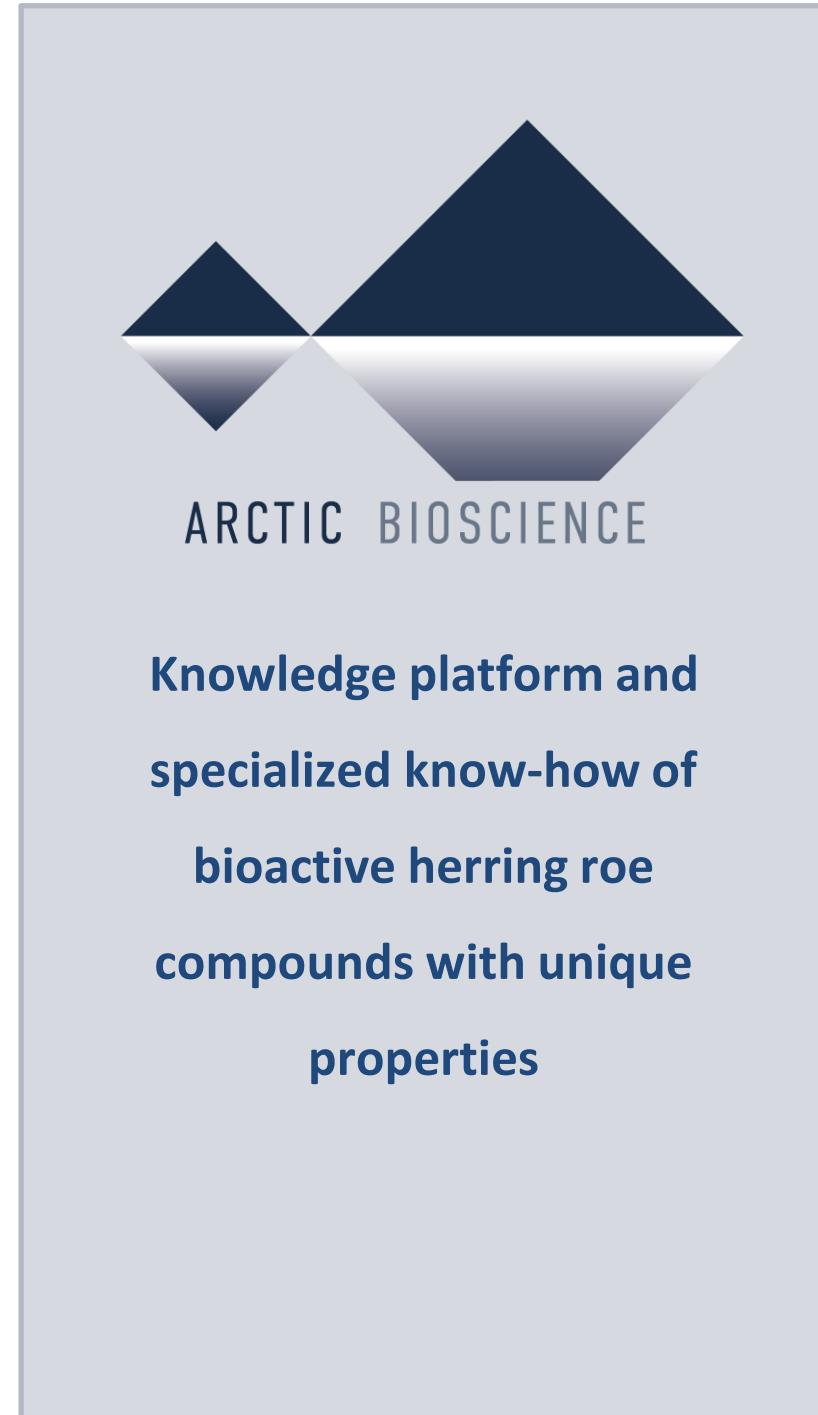
Key value proposition



- 1 **Significant unmet medical need in mild-to-moderate psoriasis - USD 20bn+ market for moderate psoriasis alone**
- 2 **Strong scientific rationale and promising clinical effect in mild-to-moderate psoriasis^{1,2}**
- 3 **Cash generating and growing nutraceutical business**
- 4 **Proprietary technology platform with control over value chain underpins both businesses**
- 5 **Robust ESG footprint**
- 6 **Strong management team with broad experience within the pharmaceutical and nutraceutical industries**

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

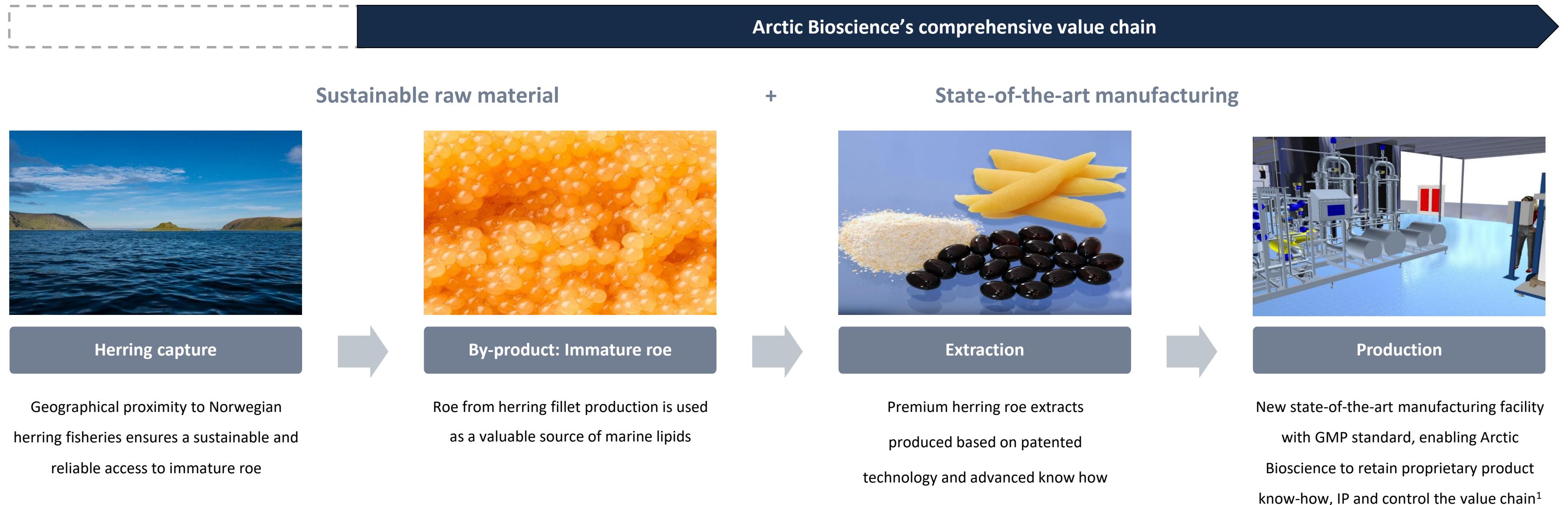
**Key lessons learned through nutra product enables
efficient development of the pharma product**



**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



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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

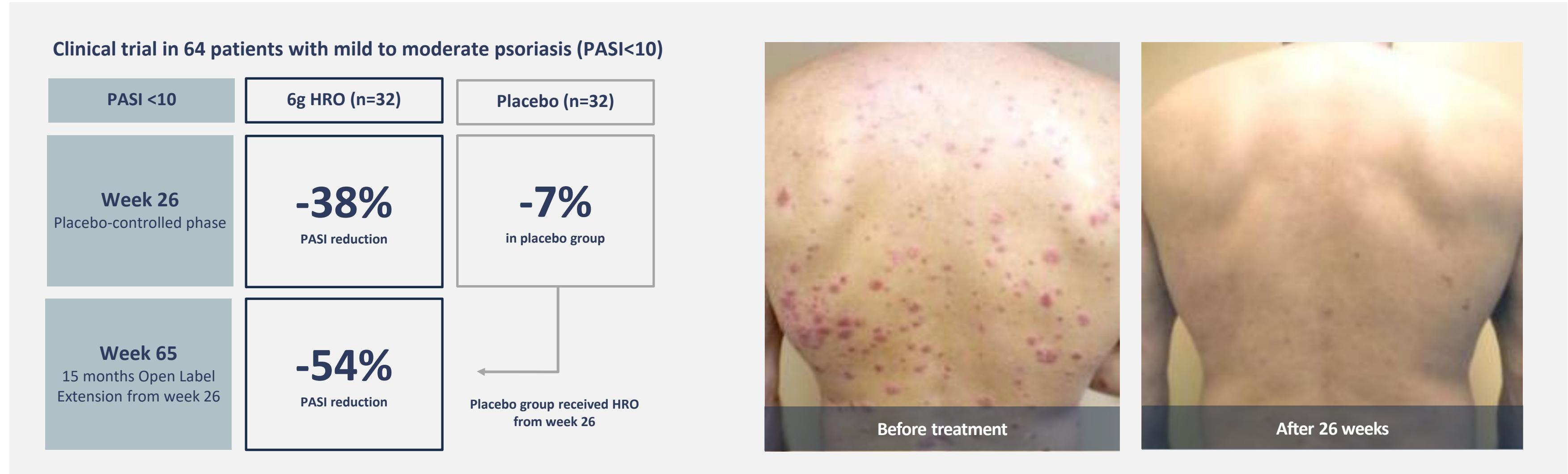
- Target market of ~21 million people in the EUR & US and ~210 million patients worldwide

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



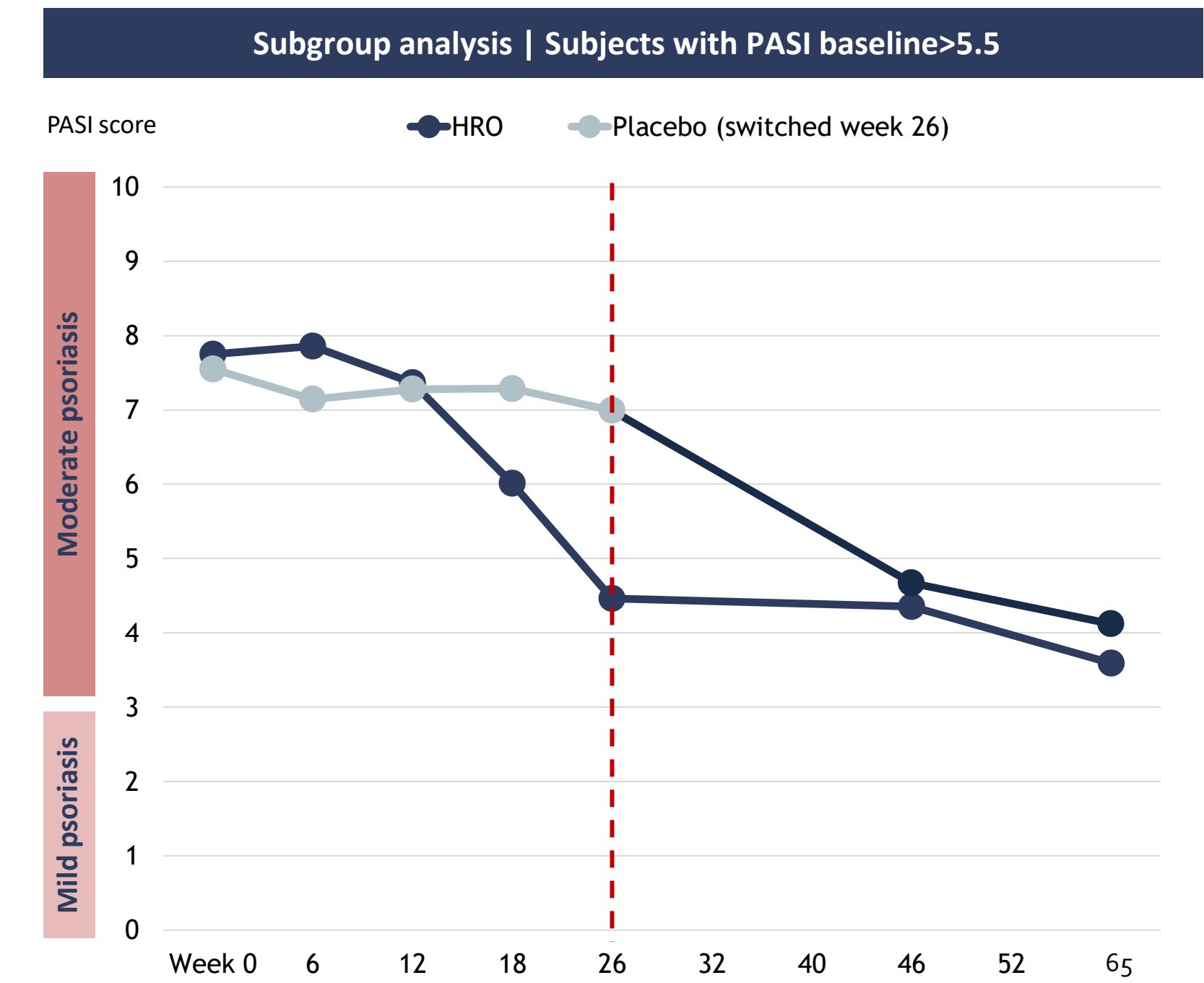
- **Trial:** Randomized, placebo-controlled pilot clinical trial in patients with mild to moderate psoriasis (Psoriasis Area Severity Index, PASI <10)
- **Results:** Clinical signals of efficacy combined with beneficial safety profile

- 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

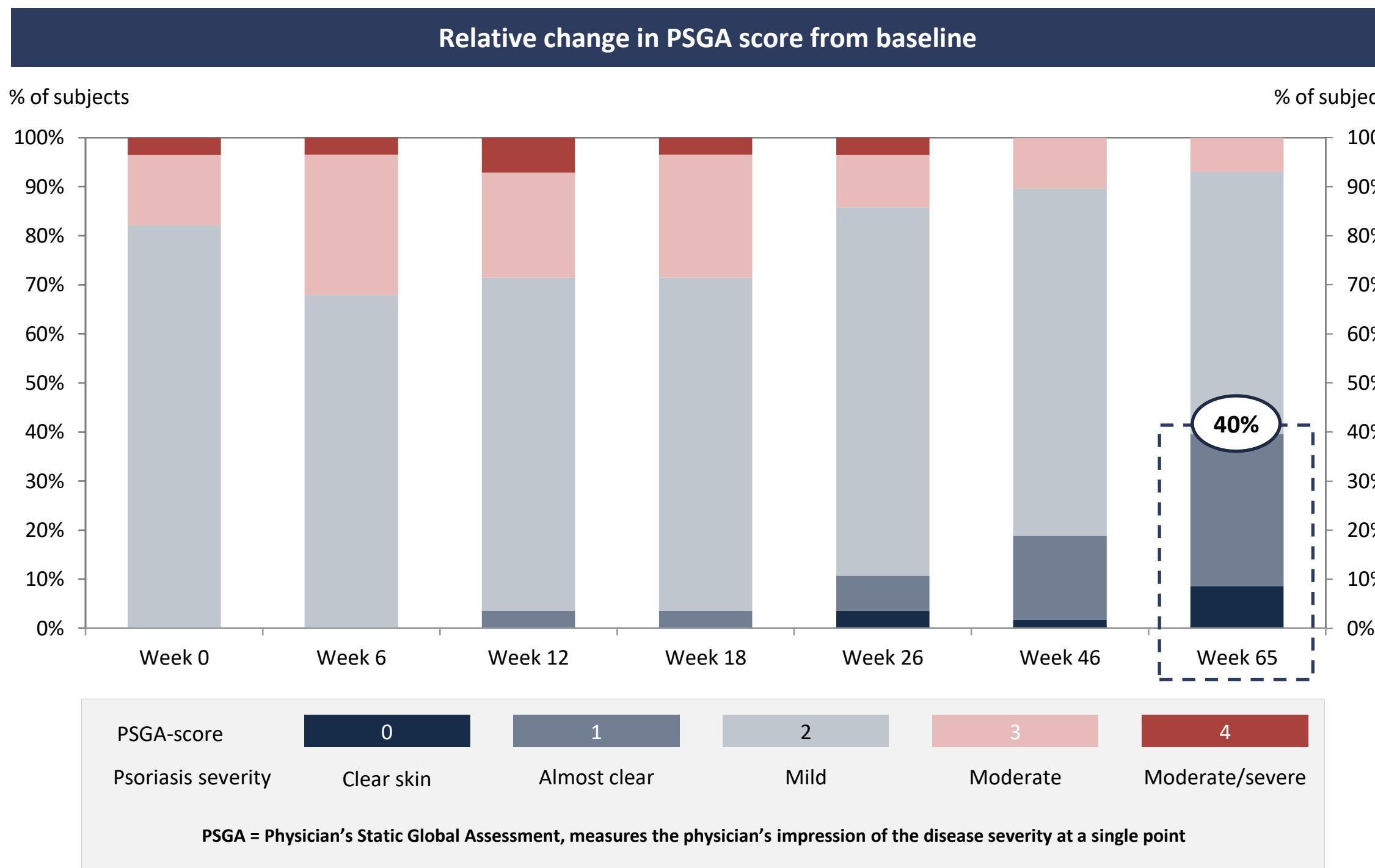
- Randomized, placebo-controlled pilot clinical trial in mild to moderate psoriasis (PASI<10, n=64)
- Primary end-point: Change in mean Psoriasis Area Severity Index (PASI) at week 26
- Statistically significant improvement in mean PASI with HRO versus placebo at week 26
 - Overall PASI reduction of 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

“

No serious adverse events were related to the administration of active treatment or placebo

– Conclusion from pilot clinical study after 26 weeks¹

Natural product | Extract from herring roe

Strong commercialization advantages

- ✓ 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

- ✓ 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		 ARCTIC BIOSCIENCE	 
Parenteral (injections)			   
Topical			
Price point	<10K NOK/year	30-50k NOK/Year	50-300 NOK/year (Europe & USA)

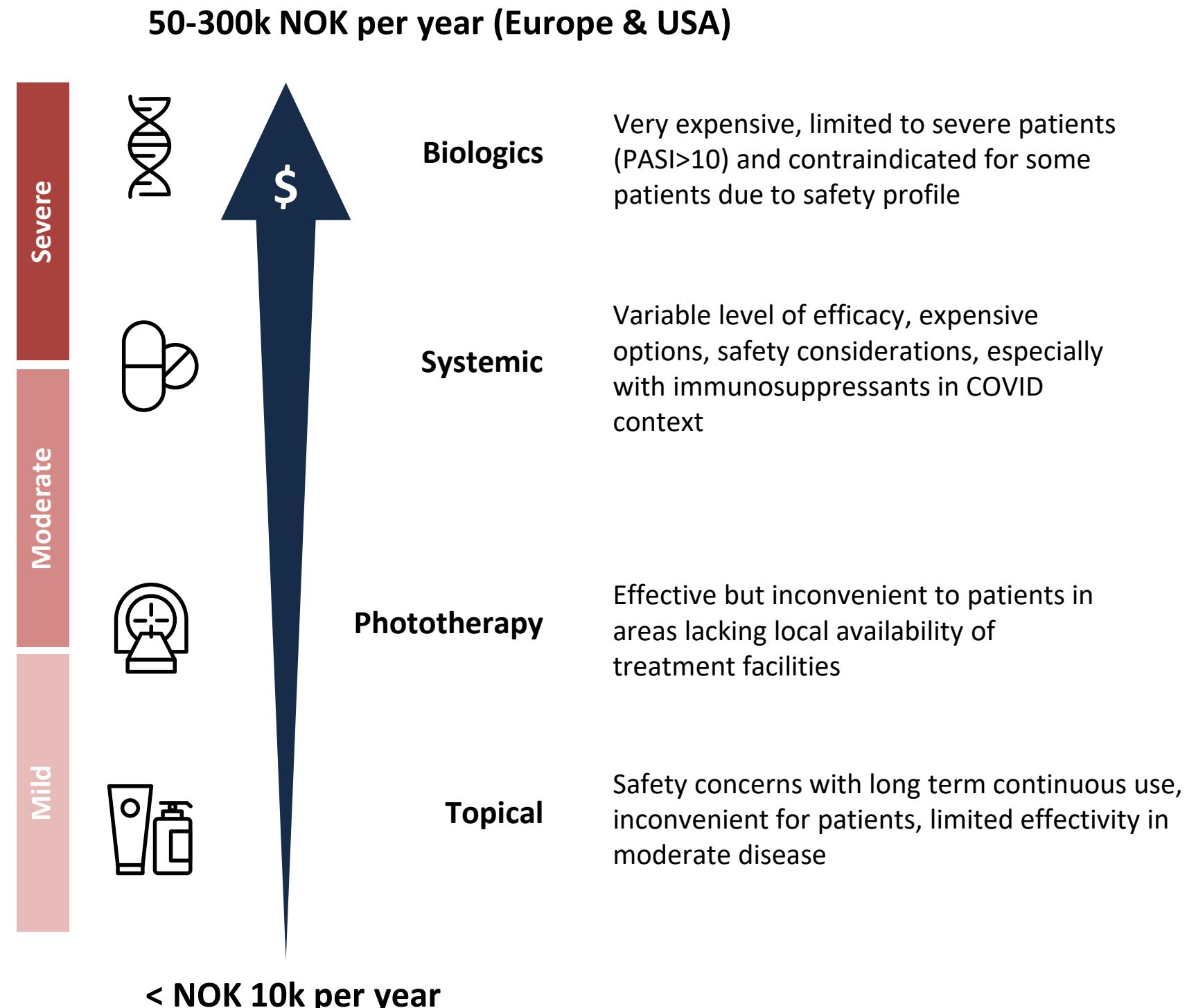
HRO350 scores well against competitors

 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

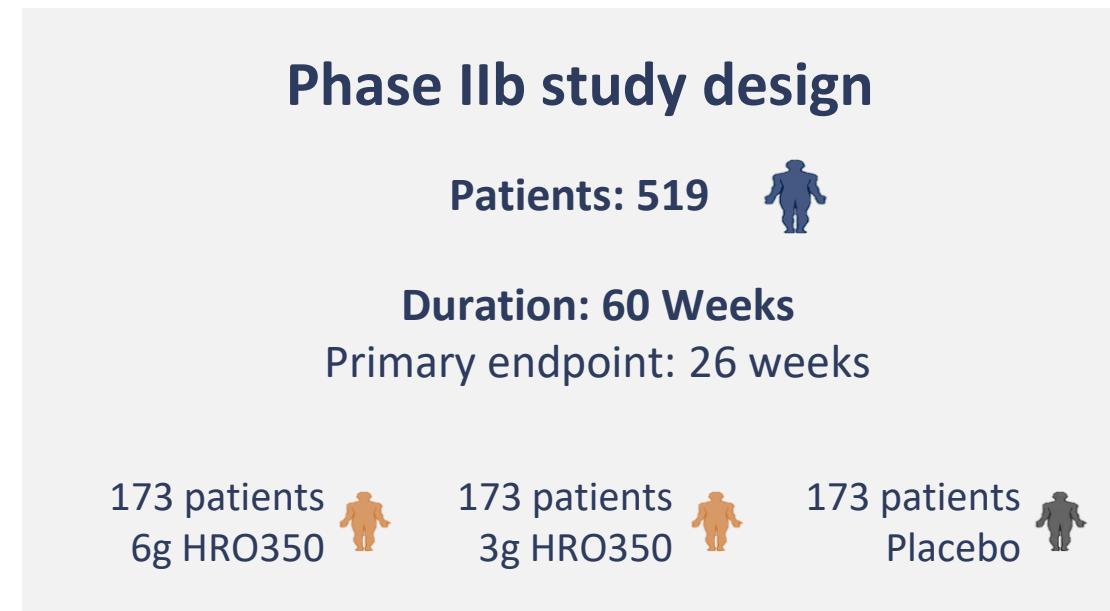
“

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

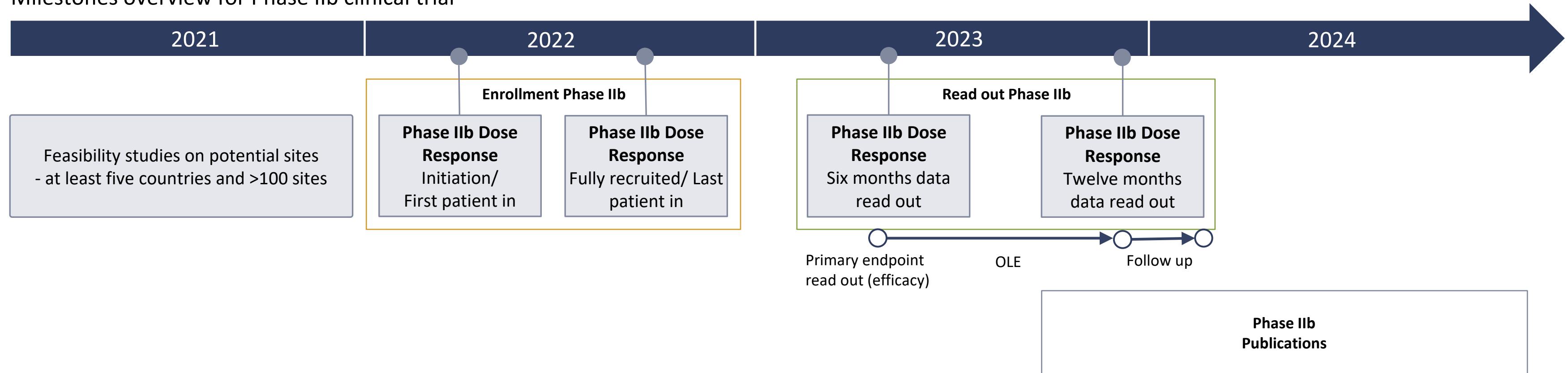
Large Phase IIb study to drive pharma forward

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



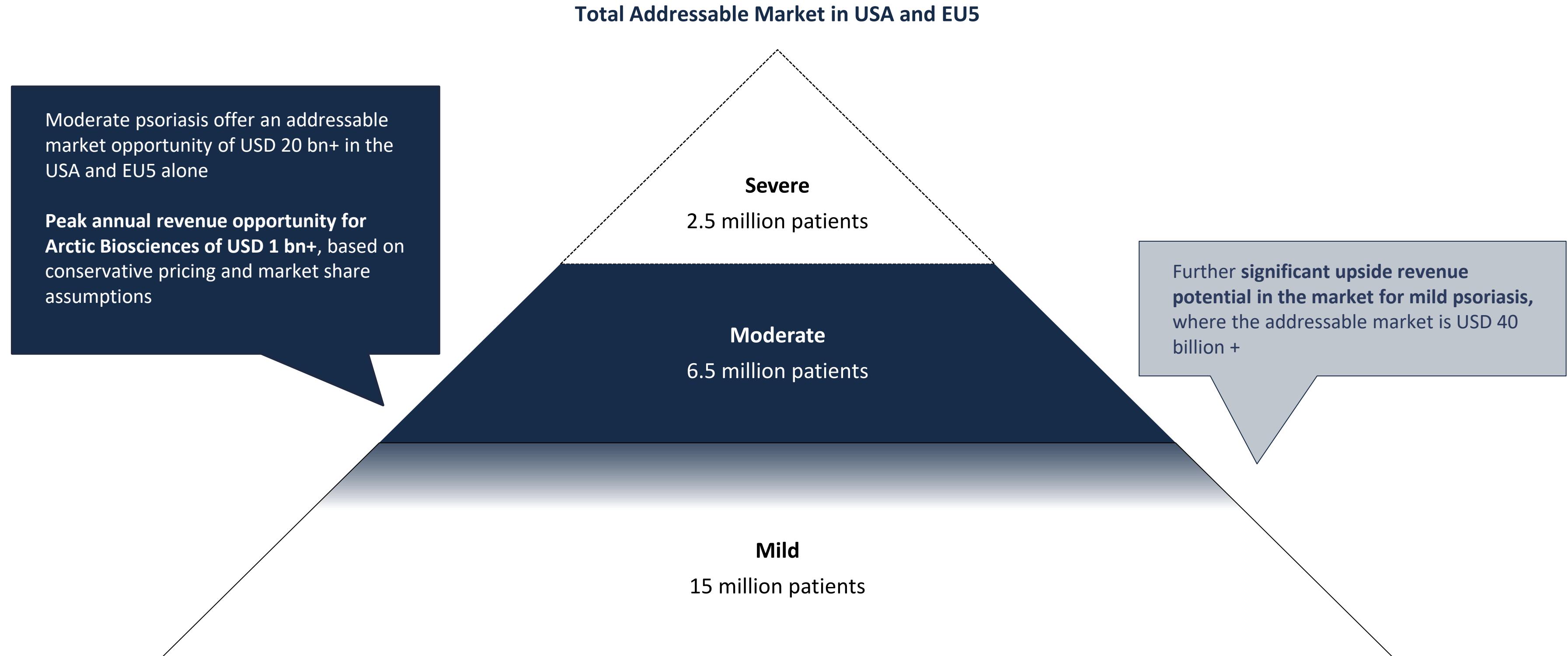
- Initiating large randomized Phase IIb study in 1Q 2022 in patients with mild-to-moderate psoriasis
- Given successful Phase IIb study the company plans to initiate a Phase III study, submit MMA and prepare for commercialization through partnerships
- Potential for 'first-in-class' therapeutic treatment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



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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

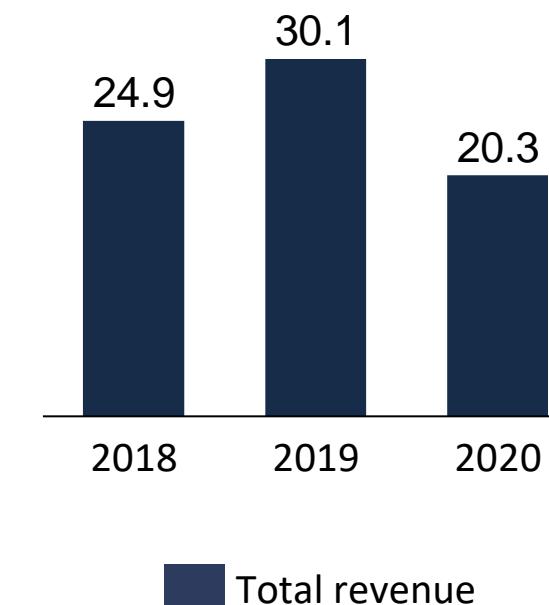
Model partnership with Kotler in China validates market potential and strategy

Premium differentiated product

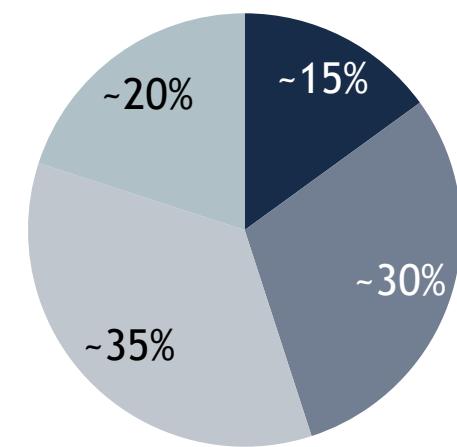
- Bioavailability:** Significant source of Omega-3 in phospholipid form with documented high absorption
- Phospholipids:** Rich in DHA & EPA phospholipids, contains choline & Vitamin D
- DHA:EPA ratio of 3:1**

Financials

Historical Nutra sales (NOKm)



Geographical growth focus



Legend:
■ 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



- **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



- **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



- **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

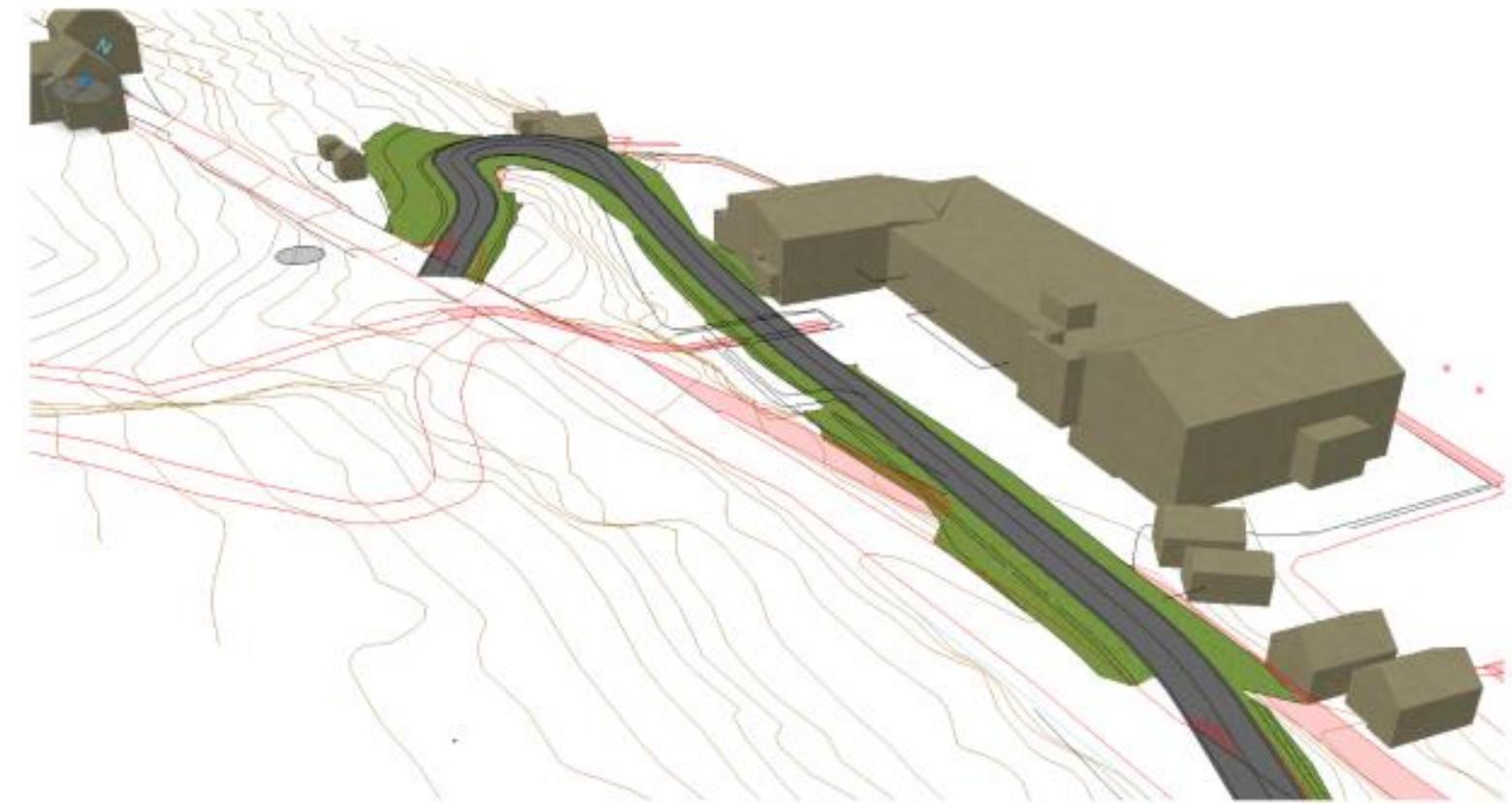


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State of the art manufacturing facility

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 Nærdaal *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





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