Nanexa AB

Focus on dual GLP-1 opportunities and partner projects

Johan Widmark | 2024-02-22 08:00

Apart from a write down of capitalized development related to the suspended projects NEX-18 and NEX-20, there was not much new in Nanexa's full year report. Following the streamlining of its activities, stemming from the outcome of the rights issue in December 2023, Nanexa now focuses on the projects most likely to generate near-term revenue and thus reduce the need for further external financing. We now look forward to the start of Phase I with NEX-22 in H1'24, as well as the outcome of the partner project with Novo Nordisk and other advanced evaluation projects, including the recent agreement for monoclonal antibodies for a Big Pharma company. All in all, we continue to find support for a fair value of SEK 2.6-9.9 per share.

Write down of NEX-18 and NEX-20 capitalized development

The report for Q4'23 did not reveal any news compared to the streamlining announced in late December after the rights issue. Turnover in Q4'23 amounted to SEK 6.8m, attributable to evaluation agreements (SEK 1.7m) and the deferred revenue from the Novo Nordisk deal (SEK 5m). Along with a SEK 49.5m write-down of capitalized development related to the suspended projects NEX-18 and NEX-20, EBIT amounted to SEK -51.4m. Should Nanexa find the cash and bandwidth to resume either of the suspended projects, the capitalized development would then be activated again on the balance sheet. Net cash amounted to SEK 65m, which with the heightened cost focus is now expected to finance operations into mid-2025.

Phase 1 with NEX-22 next big step

The three focus areas that will be prioritized going forward are

- The own project NEX-22: A one-month depot of the GLP-1 substance liraglutide, within the large and very expansive type 2 diabetes indication. Nanexa is now targeting the start a clinical phase I study with NEX-22 in Q1'24, which might be delayed into Q2'24, with expected read-out by the end of 2024.
- The partner project with Novo Nordisk: The exclusivity and evaluation agreement covers Nanexa's drug delivery system PharmaShell together with a specific substance class, not yet announced.
- Other well advanced partner projects where Nanexa sees opportunities for interesting broadening of collaborations with significant revenue potential during the period.

Wide range of potential outcomes

With a cash position of SEK 65m at the end of Q4'23, the recent reprioritization will extend the company's runway into mid-2025. But we continue to note an elevated pressure on the company to reach some form of licensing agreement soon. Based on our SOTP for NEX-22, the Novo Nordisk project and the PharmaShell evaluation deals, we continue to find support for an rNPV of SEK 2.6-9.9 per share. This wide range reflects the wide range of potential outcomes for the company's various projects and partnerships. We now look forward to the Phase I trial with NEX-22 and more positive news flow from the partner projects as triggers in 2024.

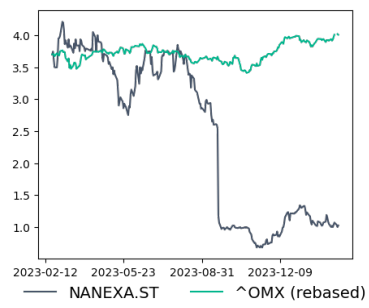
Sum-of-the-parts Nanexa

Project	Likelihood	Launch	NPV MSEK	SEK per share
NEX-22	15,0%	2029	205	1,5
Novo Nordisk	15% | 30%	-	250 - 990	1,8 - 7,3
Other PharmaShell	20,0%	-	142	1,0
SOTP (NEX-22, other PharmaShell)			**347**	**2,6**
SOTP (Novo Nordisk, other PharmaShell)			**590 - 1340**	**4,4 - 9,9**

Source: Emergers

Nanexa

Fair Value, SEK	**2,6 - 9,9**
Current Price, SEK	1,03
Number of Shares (M)	135,7
Mkt Cap (MSEK)	139
Net Debt (MSEK)	-84
Enterprise Value (MSEK)	56
Market	First North



About Nanexa

Nanexa is a drug delivery company focused on long-acting injectable drugs based on the company's patented PharmaShell ALD technology which combined with traditional drug development enables the company to develop Long Acting Injectibles (LAI) on theoretically any drug, both small molecule and biomedical. This is expected to enable drugs with improved efficacy, reduced side effects, improved availability and increased adherence to the treatment plan from patients.

Nanexa was listed on Spotlight (formerly Aktietorget) in 2015 and is listed on Nasdaq First North since 2020.

PharmaShell ALD

ALD technology is used in a number of other areas outside the pharmaceutical industry. PharmaShell's ALD technology means that Nanexa can coat each individual particle with an extremely thin layer (10-50 nm) of inorganic oxides. The thickness and properties of this layer in turn control how the drug is released into the body.

PharmaShell has several benefits

- Makes it possible to tailor the length of the deposition in the body, to weekly, monthly or even longer. This means that you can reduce the number of treatment opportunities, which in turn can
    - benefit the patient's compliance with the treatment plan
    - reduce the perceived discomfort
    - reduce the cost of providing the treatment.
- Check the initial release of the drug in the body (initial burst), which also reduces the side effects.
- Adds very little to the volume (10-20%), which enables a high load capacity (up to 80% compared to other solutions of 30-50%).
    - This reduces the volume injected
    - Enables the use of less potent active substances
    - Longer depots
- Opportunity to apply to a wide range of different drugs
    - Small molecule
    - Biological, peptides and proteins etc.

All this, in turn, is expected to enable a more patient-centered treatment, with the possibility of developing treatments for "unmet clinical needs" and ultimately a better treatment effect and thus opening up a giant market.

Two-part strategy for realizing value in technology

Nanexa has two main strategic orientations for developing and realizing the potential of PharmaShell.

- **Own product portfolio** which involves developing own long-acting injectable formulations of existing drugs where the patents have expired. The goal is to take these own projects to proof of concept and then license them out or possibly take them further under their own auspices. So far, the company has presented three of its own projects, NEX-18, NEX-20 and NEX-22.

- **Partner projects** where PharmaShell is licensed in product-exclusive licenses to other pharmaceutical companies. The company has about 10 such pilot projects in pre-clinical development or pilot stage. In addition to AstraZeneca, which is a partner, Nanexa is so far silent about who these partners are and what these projects are focused on. While the own projects so far are in oncology and type 2 diabetes, the partner projects are covering a wider range of

indication areas. Several partner projects have passed in vitro proof of concept and also shown positive results in animal studies.

Licensing deal Novo Nordisk

Licensing scenario

			Annual Average		
			Clinical Phase	Sales Ramp-up	Maturity
		Assumptions	2023-2028	2029-2033	2034-2042
Novo Nordisk Revenue	DKKm		224 177	312 644	393 838
Share of revenue applicable w PharmaShell		10%	-	31 264	39 384
Royalty	DKKm	3%	-	842	1 182
Upfront	DKKm		1 249	-	-
Milestone	DKKm	Ph I	1 708	-	-
Milestone	DKKm	Ph II	2 180	-	-
Milestone	DKKm	Ph III	2 678	-	-
Milestone	DKKm	Appr.	3 746	-	-
Total Revenue	**DKKm**		**1 302**	**842**	**1 182**
Tax loss (opening)			-	10076,0	17081,1
Tax loss (utilized/generated)			-	967,0	1198,4
Tax loss (closing)			10,0	11042,9	18279,5
Tax paid	20,0%		-260,5	-168,4	-236,3
CF post tax, Risk adj.			**1042,0**	**673,8**	**945,2**
rNPV					
Discount factor		15%	*0,725*	*0,333*	*0,131*
PV	DKKm		712,3	214,3	120,6
LOA	%		-	-	-
Accumulated LOA	%		16,8%	5,0%	5,0%
rNPV	**DKKm**		**73,7**	**10,7**	**6,0**
SUM rNPV	DKKm	549,9			
SUM rNPV	SEKm	824,9			
rNPV per share	SEK	6,1			

Probability of license deal		at 10%	at 40%
Total rPNV	30%	247,5	989,8
rNPV per share	30%	1,8	7,3

Source: Emergers

Risks

In addition to the above-mentioned risks of failure in clinical development, which can have a strong negative impact on the company's value and constitute an inherent operational risk in all companies that develop drugs, there are additional risks to note.

Financing risk
As mentioned above, we believe that Nanexa is dependent on additional financing to be able to realize the potential in its project portfolio. Should the company fail to finance its continued operations on attractive terms and levels, there is a significant risk that the value of the company will be negatively affected.

Delays
Delays in clinical trials are more the rule than the exception and as many as 86% of projects do not meet their recruitment targets within the specified time frame, which means additional costs and delays.

Competing treatments
Of the USD 186 billion spent on global drug development in 2019, it is estimated that as much as 40% went to development projects in oncology and progress is being made all the time. It is therefore difficult to determine with certainty the long-term demand and competitiveness of an individual treatment.

Corporate Governance

Nanexa has an exceptionally experienced team in terms of board, management and advisors, with heavy positions from Swedish and international pharmaceutical companies behind it. Even though not everyone is a full-time employee but closely linked to the company, it is an impressive line-up, not least in light of the company's still modest size.

Chairman **Göran Ando** has over 30 years of experience from the pharmaceutical industry, with roles as medical director of Pfizer AB, VP at Bristol-Myers, research and development manager for Glaxo Group Research, CEO of Celltech Group PLC in the UK, and not least chairman of Novo Nordisk. A / S between 2013 and 2018. Göran Ando was also Vice President and Head of Research and Development at Pharmacia, where he was also responsible for manufacturing and business development. During his eight years as head of research and development at Pharmacia, 17 new drugs were approved by the FDA, prior to Pfizer's acquisition of Pharmacia.

In addition to the board's already heavy academic and practical competence and experience with, among others, **Bengt Gustafsson**'s background as Nordic Medical Director at Novartis Oncology and Celgene, and Professor **Magnus Westgren**'s over 300 scientific publications, **Eva Nilsagård** and **Birgit Stattin Norinder** were elected as new members at the Annual General Meeting. Eva Nilsagård has over 30 years of experience in senior positions, primarily in the automotive and medical / biotechnology industries, including as CFO for Vitrolife, Plastal Industri and OptiGroup, as well as senior positions within AstraZeneca and AB Volvo. Birgit Stattin Norinder has extensive experience from pharmaceutical and biotech companies in Sweden, the USA and the United Kingdom. She has led several research and development departments and been behind a number of new and approved drugs. She has been CEO and Chairman of Prolifix Ltd, Senior Vice Precident Worldwide Development at Pharmacia & Upjohn and Director International Regulatory Affairs at Glaxo Group Research Ltd. Birgit has also held a number of positions as a board member and chairman of European biotechnology companies. She is also a board member of AddLife AB, Hansa Biopharma AB and Oasmia Pharmaceutical AB.

CEO **David Westberg** has previous experience from Pharmacia, Pharmacia-UpJohn and Orexo, where he was responsible for two of Orexo's drug projects (Edluar and Zubsolv) from the early development phase, through formulation development and clinical studies to registration for market approval with the FDA in the USA.

CFO **Björn Svanström** comes from previous roles in finance at SEB Enskilda, Teleca AB, CEO of Praktikerinvest and CFO of development companies in life science, including Dilafor AB.

In addition to the CEO and CFO, the rest of the management team has extensive experience with, among others, Chief Medical Officer, **Owe Luhr's** experience from a number of leading positions at companies such as Pfizer, Actelion and Celgene, Head of Pharmaceutical R&D, **Joel Hellrup** that has had a key role in the development of PharmaShell® and has several published scientific articles in the field, and **Marie Gårdmark**'s leading positions within the Medical Products Agency and experience from advisory meetings with the FDA and EMA. In addition, Nanexa has additional advisors attached to the company, which possesses cutting-edge expertise in, among other things, hematological cancer, with Professor **Axel Glasmacher** as Head of Global Clinical Research and Development in Hematology and Oncology at Celgene, and Dr **Karthik Ramasamy** as Associate Professor of Haematology & Consultant Haematologist.

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