

22 September 2025

N4 Pharma plc

("N4 Pharma" or the "Company")

N4 Pharma's Nuvec® Targets Lung Cancer Cells

Proof of targeted RNA delivery to non-small cell lung cancer cells achieved with SRI

N4 Pharma plc (AIM: N4P), the UK biotech developing Nuvec®, its proprietary gene delivery system to enable advanced therapies for cancer and other diseases, is pleased to announce further details of its collaboration with world-renowned nonprofit R&D institute SRI on the targeted delivery of RNA into cells using Nuvec®. Following detailed additional analysis, the resulting data are now shaping a new scope of work focused on utilising Nuvec® for targeted treatments in oncology.

The Company's collaboration combined SRI's targeting molecules with Nuvec® successfully delivering therapeutic RNA ("siRNA") payloads to specific cell types, specifically non-small cell lung cancer cells.

Key results:

- **Precision targeting achieved:** Nuvec® particles were functionalised with a targeting molecule binding to a cell surface adhesion molecule ($\alpha\beta6$) - a protein found at high levels in epithelial cancers such as lung, breast, prostate and pancreatic adenocarcinomas
- **Selective uptake confirmed:** siRNA payloads were successfully delivered and active only by the targeted Nuvec® particles compared to untargeted Nuvec®, demonstrating that Nuvec® can be directed to specific cell types
- **Broader validation of Nuvec®:** The findings strengthen the platform's potential as a differentiated delivery system for RNA therapeutics across multiple disease areas, including cancers of high unmet need such as lung and pancreatic cancers

The global RNA therapeutics market was valued at \$13.7 billion in 2023 and is forecast to reach \$18.0 billion by 2028. Challenges associated with the manufacturing and targeted delivery of RNA therapeutics are known to impact this market growth.

Targeting RNA therapies to specific cells and tissues to maximise efficacy and reduce systemic toxicity is a holy grail for nucleic acid therapeutics developers and is challenging to achieve with established RNA delivery methods.

In parallel to the successful targeting of Nuvec® particles to cancer cells in collaboration with SRI, N4 Pharma has also demonstrated targeting of Nuvec® to immune cells using mannose modification in its lead programme, N4 101, which is designed to be an orally delivered treatment for inflammatory bowel disease.

Nigel Theobald, Chief Executive Officer of N4 Pharma, commented:

"Targeting RNA therapies to particular cell types is highly sought after by companies developing RNA therapeutics. We have now demonstrated Nuvec®'s ability to do this in multiple systems, which we believe sets it apart from other RNA delivery methods.

"These recent data from our collaboration with SRI are particularly exciting because they represent the first example of the use of Nuvec® for the potential treatment of some of the most common and life-threatening cancers.

"N4 Pharma raised capital earlier this year to build out the data to support the key performance claims of Nuvec®: simultaneous delivery of multiple RNAs; targeting of specific cell types; oral delivery; low immunogenicity; stability; and simple manufacturing. These data generated with SRI are a significant step forward in that process, because of the high demand for targeted therapies to support deal-making and building our own differentiated RNA therapeutics pipeline."

- Ends -

For more information please contact:

N4 Pharma plc

Nigel Theobald, CEO
Luke Cairns, Executive Director

Via N4 Pharma Investor Hub:

investors.n4pharma.com

Submit your questions directly to the management team via the N4 Pharma Investor Hub

<https://n4pharma.com/link/P2z1YP>

SP Angel Corporate Finance LLP

Nominated Adviser and Joint Broker

Matthew Johnson/Jen Clarke (Corporate Finance)
Vadim Alexandre/Abigail Wayne/Rob Rees (Corporate Broking)

Tel: +44 (0)20 3470 0470

Turner Pope Investments (TPI) Limited

Joint Broker

Andy Thacker
James Pope

Tel: +44 (0)20 3657 0050

Northstar Communications Limited

Investor Relations
Sarah Hollins

Tel: +44 (0)113 730 3896

About N4 Pharma

N4 Pharma is a pre-clinical biotech company developing Nuvec®, its proprietary gene delivery system, to enable advanced therapies for cancer and other diseases.

RNA therapeutics are set to impact the treatment of a wide range of diseases and Nuvec® has several key advantages for RNA gene delivery including the ability to deliver multiple RNA therapies in a single particle, ease

of manufacturing, protection of the RNA payload to allow for oral delivery, no unwanted immune response and excellent stability and storage.

N4 Pharma is building out its preclinical data set and working towards first-in-human clinical data to support significant licensing deals for its Nuvec® platform with gene therapy partners.

N4 Pharma's lead programme, N4 101, is an oral anti-inflammatory product for IBD which serves as a proof-of-concept programme showcasing all the benefits of the Nuvec® platform.

For further information on the Company visit www.n4pharma.com or sign up at <https://investors.n4pharma.com/auth/signup>.

About SRI

For further information on SRI visit: <https://www.sri.com/>

This information is provided by RNS, the news service of the London Stock Exchange. RNS is approved by the Financial Conduct Authority to act as a Primary Information Provider in the United Kingdom. Terms and conditions relating to the use and distribution of this information may apply. For further information, please contact rns@lseg.com or visit www.rns.com.

RNS may use your IP address to confirm compliance with the terms and conditions, to analyse how you engage with the information contained in this communication, and to share such analysis on an anonymised basis with others as part of our commercial services. For further information about how RNS and the London Stock Exchange use the personal data you provide us, please see our [Privacy Policy](#).

END

MSCZZGMLNLLGKZG