



## Neurocrine Biosciences Announces Initiation of Phase 1 Clinical Study Evaluating Effects of NBI-1076986 in Healthy Adults

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SAN DIEGO, May 9, 2024 /PRNewswire/ -- [Neurocrine Biosciences, Inc.](#) (Nasdaq: NBIX) today announced the initiation of its Phase 1 first-in-human clinical study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of investigational compound NBI-1076986 in healthy adult participants. NBI-1076986 is an investigational, oral, M4 subtype-selective muscarinic acetylcholine receptor antagonist for the potential treatment of movement disorders that was discovered and developed by Neurocrine Biosciences.



"This compound is an important part of our muscarinic portfolio, which enters the clinic as a potential treatment for movement disorders," said Eiry W. Roberts, M.D., Chief Medical Officer at Neurocrine Biosciences. "Selectively targeting M4 receptors could benefit a broad range of motor coordination disorders, including Parkinson's disease tremor and dystonia."

### About Muscarinic Pipeline and NBI-1076986

Muscarinic receptors are fundamental to activating signaling pathways in the brain. There are five muscarinic acetylcholine receptors involved in neurotransmission (M1–M5), with M4 receptors associated with motor coordination and certain central nervous system pathologies. M1 receptors play a role in higher cognitive processes such as learning and memory and are thought to be associated with the memory/cognitive side effects associated with non-selective antimuscarinic agents.

Identified and developed by Neurocrine Biosciences, NBI-1076986 is an investigational, oral, M4 subtype-selective muscarinic acetylcholine receptor antagonist for the potential treatment of certain movement disorders, including Parkinson's disease tremor and dystonia. It is hypothesized that an M4 subtype-selective antagonist may impact regulation of motor symptoms and movements while minimizing off-target effects.

Neurocrine Biosciences has a broad portfolio of programs that selectively target muscarinic receptors. In addition to NBI-1076986, the portfolio includes several small molecule M1, M1/M4 and M4 agonists that Neurocrine Biosciences acquired the rights to develop and commercialize from Nxera Pharma (formerly Sosei Heptares).

### About Neurocrine Biosciences

Neurocrine Biosciences is a leading neuroscience-focused, biopharmaceutical company with a simple purpose: to relieve suffering for people with great needs, but few options. We are dedicated to discovering and developing life-changing treatments for patients with under-addressed neurological, neuroendocrine and neuropsychiatric disorders. The company's diverse portfolio includes FDA-approved treatments for tardive dyskinesia, chorea associated with Huntington's disease, endometriosis\* and uterine fibroids\*, as well as a robust pipeline including multiple compounds in mid- to late-phase clinical development across our core therapeutic areas. For three decades, we have applied our unique insight into neuroscience and the interconnections between brain and body systems to treat complex conditions. We relentlessly pursue medicines to ease the burden of debilitating diseases and disorders, because you deserve brave science. For more information, visit [neurocrine.com](#), and follow the company on [LinkedIn](#), [X \(formerly Twitter\)](#), and [Facebook](#).

(\*in collaboration with AbbVie)

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### Forward-Looking Statements

In addition to historical facts, this press release contains forward-looking statements that involve a number of risks and uncertainties. These statements include, but are not limited to, statements related to the potential benefits of NBI-1076986. Among the factors that could cause actual results to differ materially from those indicated in the forward-looking statements are: risks that clinical development activities may not be initiated or completed on time or at all, or may be delayed for regulatory, manufacturing, or other reasons, may not be successful or replicate previous clinical trial results, may fail to demonstrate that our product candidates are safe and effective, or may not be predictive of real-world results or of results in subsequent clinical trials; our future financial and operating performance; risks associated with our dependence on third parties for development, manufacturing, and commercialization activities for our products and product candidates, and our ability to manage these third parties; risks that the FDA or other regulatory authorities may make adverse decisions regarding our products or product candidates; risks that the potential benefits of the agreements with our collaboration partners may never be realized; risks that our products, and/or our product candidates may be precluded from commercialization by the proprietary or regulatory rights of third parties, or have unintended side effects, adverse reactions or incidents of misuse; risks associated with U.S. federal or state legislative or regulatory and/or policy efforts which may result in, among other things, an adverse impact on our revenues or potential revenue; risks associated with potential generic entrants for our products; and other risks described in the Company's periodic reports filed with the Securities and Exchange Commission, including without limitation the Company's quarterly report on Form 10-Q for the quarter ended March 31, 2024. Neurocrine Biosciences disclaims any obligation to update the statements contained in this press release after the date hereof other than required by law.

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Neurocrine Biosciences, Inc., Media: Linda Seaton, 1-858-617-7292, [media@neurocrine.com](mailto:media@neurocrine.com); Investors: Todd Tushla, 1-858-617-7143, [ir@neurocrine.com](mailto:ir@neurocrine.com)