

May 31, 2023



# Algernon Pharmaceuticals Receives Notice of Allowance from the Japanese Patent Office for Repirinast and the Treatment of CKD

Vancouver, British Columbia, May 31, 2023 (GLOBE NEWSWIRE) -- Algernon Pharmaceuticals Inc. (CSE: AGN) (FRANKFURT: AGW0) (OTCQB: AGNPF) (the “Company” or “Algernon”), a clinical stage pharmaceutical development company, is pleased to announce that it has received a Notice of Allowance from the Japanese Patent Office (JPO) for patent application 2021-522114 entitled “Compositions and Methods for Treating Chronic Kidney Disease” for its lead chronic kidney disease (CKD) program drug NP-251 (Repirinast). The Company has also filed corresponding patent applications in the United States, Canada, Europe and China.

The invention claims the administration of Repirinast, either alone or in combination with telmisartan, for use in the prophylaxis or treatment of renal fibrosis or kidney disease.

Repirinast is the Company’s lead candidate for the treatment of CKD based on data showing it reduced fibrosis by 51% with statistical significance and showed an additive benefit to telmisartan (a medicine used to treat high blood pressure, heart failure, and diabetic kidney disease) in a unilateral ureteral obstruction mouse model.

Algernon’s intellectual property strategy for its repurposed drug program includes protecting its compounds by filing patent applications including method of use, dosing, and formulations, and for new composition of matter patents based on novel salt forms.

“This is the first allowance notice received from the JPO by Algernon for one of the drugs being investigated under our innovative drug repurposing program and is further validation of our intellectual property strategy,” said Christopher J. Moreau, CEO of Algernon Pharmaceuticals. “What is also noteworthy, is that Repirinast was originally developed and approved in the Japanese market for the treatment of asthma and so this notice of allowance is even more meaningful.”

## **About NP-251 (Repirinast)**

Repirinast was originally developed by Mitsubishi Tanabe Pharma (“Mitsubishi”) and was sold and marketed in Japan under the brand name Romet™ for the treatment of Asthma. Romet™ was marketed for over 25 years in Japan. Mitsubishi discontinued manufacturing and sales of the drug in 2013. Accordingly, Algernon has retained Zhejiang Ausun Pharmaceutical in Zhejiang, China to manufacture a cGMP Repirinast supply.

Repirinast binds to receptors on mast cells and prevents their degranulation, which the Company believes could help prevent fibrosis in multiple organ classes including the kidneys

and the liver. Mast cells are recruited to sites of cellular damage, and degranulation of mast cells leads to release of a myriad of proinflammatory chemical mediators which lead to tissue damage in a self-propagating cascade.

### **About Algernon Pharmaceuticals Inc.**

Algernon Pharmaceuticals is a Canadian clinical stage drug development and repurposing company investigating multiple drugs for unmet global medical needs. Algernon Pharmaceuticals has active research programs for IPF with chronic cough, and chronic kidney disease, and is the parent company of a newly created private subsidiary called Algernon NeuroScience, that is advancing a psychedelic program investigating a proprietary form of psychedelic DMT for stroke and traumatic brain injury.

### **CONTACT INFORMATION**

Christopher J. Moreau  
CEO  
Algernon Pharmaceuticals Inc.  
604.398.4175 ext 701

[info@algernonpharmaceuticals.com](mailto:info@algernonpharmaceuticals.com)  
[investors@algernonpharmaceuticals.com](mailto:investors@algernonpharmaceuticals.com)  
[www.algernonpharmaceuticals.com](http://www.algernonpharmaceuticals.com).

***Neither the Canadian Securities Exchange nor its Market Regulator (as that term is defined in the policies of the Canadian Securities Exchange) accepts responsibility for the adequacy or accuracy of this release.***

*CAUTIONARY DISCLAIMER STATEMENT: No Securities Exchange has reviewed nor accepts responsibility for the adequacy or accuracy of the content of this news release. This news release contains forward-looking statements relating to product development, licensing, commercialization and regulatory compliance issues and other statements that are not historical facts. Forward-looking statements are often identified by terms such as “will”, “may”, “should”, “anticipate”, “expects” and similar expressions. All statements other than statements of historical fact, included in this release are forward-looking statements that involve risks and uncertainties. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Important factors that could cause actual results to differ materially from the Company’s expectations include the failure to satisfy the conditions of the relevant securities exchange(s) and other risks detailed from time to time in the filings made by the Company with securities regulations. The reader is cautioned that assumptions used in the preparation of any forward-looking information may prove to be incorrect. Events or circumstances may cause actual results to differ materially from those predicted, as a result of numerous known and unknown risks, uncertainties, and other factors, many of which are beyond the control of the Company. The reader is cautioned not to place undue reliance on any forward-looking information. Such information, although considered reasonable by management at the time of preparation, may prove to be incorrect and actual results may differ materially from those anticipated. Forward-looking statements contained in this news release are expressly qualified by this cautionary statement. The forward-looking statements contained in this news release are made as of the date of this news release and the*

*Company will update or revise publicly any of the included forward-looking statements as expressly required by applicable law.*



Source: Algeron Pharmaceuticals