UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the
Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): September 7, 2005

MEDICINOVA, INC.

(Exact name of registrant as specified in its charter)

Delaware	**000-51133**	**33-0927979**
(State or other jurisdiction of incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

4350 La Jolla Village Drive, Suite 950
San Diego, CA 92122
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (858) 373-1500

Not Applicable
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

On September 7, 2005, MediciNova, Inc. (the "Company") announced in a press release the completion of patient enrollment in a Phase II clinical study with MN-001 for the treatment of asthma.

Attached as Exhibit 99.1 hereto and incorporated herein by reference in its entirety is the press release issued by the Company on September 7, 2005.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits.

Exhibit	Description
99.1	Press Release issued September 7, 2005.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: September 7, 2005.

MEDICINOVA, INC.

By: /s/ Takashi Kiyoizumi
Takashi Kiyoizumi, M.D., Ph.D.
President and Chief Executive Officer

EXHIBIT INDEX

Exhibit No.	Description
99.1	Press Release issued September 7, 2005.

Exhibit 99.1

CONTACT: Brian Anderson
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FOR IMMEDIATE RELEASE

MediciNova Announces the Completion of Enrollment of a Phase II Study for its Novel, Oral Asthma Treatment

Data Expected to be Available by the end of 2005

SAN DIEGO, Calif. – September 7, 2005 — MediciNova, Inc., a specialty pharmaceutical company that is publicly traded on the Hercules Market of the Osaka Securities Exchange (Code number: 4875), today announced the completion of patient enrollment in a Phase II clinical study with MN-001 for the treatment of asthma.

MN-001, which is orally administered, is a leukotriene receptor antagonist and an inhibitor of phosphodiesterases III and IV, 5-lipoxygenase, as well as thromboxane A2. MediciNova licensed the MN-001 from Kyorin Pharmaceutical Co., Ltd. of Tokyo, Japan, with exclusive worldwide rights, except for Japan, China, Taiwan and South Korea.

The current clinical study, which has been ongoing for six months, has enrolled 147 patients with mild to moderate asthma. Patients will complete treatment by the end of October 2005. Results from this Phase II study will be analyzed and data will be available during the fourth quarter of 2005. The placebo-controlled study is designed to evaluate trends in the effectiveness of three different dosing regimens of MN-001 on improvement of respiratory function by various measures, including increases in forced expiratory volume, reduction in the response to methacoline challenge, and the duration of these improvements following dosing and

improvement after four weeks of treatment compared with that observed on the first day of treatment. The safety and tolerability of MN-001 will also be evaluated.

“We are very encouraged by how quickly and efficiently this study has been conducted.” stated Richard Gammans, Ph.D., Chief Development Officer at MediciNova, “The trial should be completed two months ahead of schedule. It is worth noting that we have seen very few patients drop out of the study, and we are hopeful that once the data are available we will have confirmation of safety and tolerability together with evidence of efficacy that will signal the continued development of MN-001.”

About MediciNova

MediciNova, Inc. is a publicly traded specialty pharmaceutical company focused on accelerating the global development and commercialization of innovative pharmaceutical products. MediciNova’s pipeline, which includes several compounds in clinical testing, targets a variety of prevalent medical conditions, including premature labor, cancer, asthma, multiple sclerosis and anxiety disorders. For more information on MediciNova Inc., please visit www.medicinova.com.

This press release may contain “forward looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. These statements include statements regarding the expected progress of the development of one of the Company’s product candidates. These statements are based on certain assumptions made by the Company’s management that are believed to be reasonable at the time. Such statements are subject to a number of assumptions, risks and uncertainties, many of which are beyond the control of the Company, including results of clinical studies and other risks and uncertainties, including those described in the Company’s filings with the Securities and Exchange Commission. These assumptions, risks and uncertainties could cause the Company’s actual results to differ materially from those implied or expressed by the forward-looking statements.