UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 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): July 12, 2007

PHARMASSET, INC.

(Exact Name of Registrant as Specified in its Charter)

Delaware (State or Other Jurisdiction

001-33428 (Commission File Number) 98-0406340 (IRS Employer

of Incorporation)

Identification No.)

303-A College Road East

Princeton, NJ (Address of Principal Executive Offices)

08540 (Zip Code)

Registrant s telephone number, including area code: (609) 613-4100

(Former Name or Former Address, if Changed Since Last Report.)

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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 (*see* General Instruction A.2. below):

- " 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 July 12, 2007, Pharmasset, Inc. issued a press release announcing the start of long-term chronic toxicology studies in two animal species as part of their collaboration with Roche for the development of R7128 for the treatment of hepatitis C virus (HCV). Roche triggered a \$7.5 million milestone payment to Pharmasset by initiating these studies. The full text of the press release issued in connection with the announcement is attached hereto as Exhibit 99.1 to this Current Report on Form 8-K.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

99.1 Press Release, dated July 12, 2007.

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.

PHARMASSET, INC.

Date: July 12, 2007

By: /s/ Kurt Leutzinger

Name: Kurt Leutzinger

Title: Executive Vice President and Chief Financial Officer

EXHIBIT INDEX

Exhibit

Number

Description of Exhibit Press Release dated July 12, 2007. 99.1