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): June 27, 2012

INSMED INCORPORATED

(Exact Name of Registrant as Specified in Its Charter)

Virginia
(State or Other Jurisdiction of Incorporation)

0-30739 (Commission File Number)

54-1972729

(IRS Employer Identification No.)

9 Deer Park Drive, Monmouth Junction, New Jersey (Address of Principal Executive Offices)

08852 (Zip Code)

(732) 997-4600 (Registrant's Telephone Number, Including Area Code)

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:

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

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

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

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

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Item 8.01 Other Events.

On June 27, 2012, Insmed Incorporated (the "Company") issued a press release announcing that that the first patient has been dosed in the Company's U.S. phase 2 clinical study of ARIKACE® (liposomal amikacin for inhalation) in patients with non-tuberculous mycobacterial (NTM) lung disease entitled TARGET-NTM (Treatment with ARIKACE to Realize Greater Efficacy Trial).

A copy of the press release is attached to this Current Report on Form 8-K as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit No. Description

Press release issued by Insmed Incorporated dated June 27, 2012.

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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.

Insmed Incorporated

Date: June 27, 2012

By: /s/ Kevin P. Tully C.G.A. Name: Kevin P. Tully C.G.A.

Title: Executive Vice President & Chief Financial Officer