

Whitten Timothy
 Form 4
 February 01, 2011

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Whitten Timothy

(Last) (First) (Middle)

C/O INSMED
 INCORPORATED, 8720 STONY
 POINT PARKWAY, SUITE 200

(Street)

RICHMOND, VA 23235

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 INSMED INC [INSM]

3. Date of Earliest Transaction
 (Month/Day/Year)
 01/31/2011

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)
 President & CEO

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Security
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)			
			Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	AN N SH
Stock Option - Right to Buy	\$ 0.59	01/31/2011	A	992,000		01/31/2012 ⁽¹⁾	01/31/2021	Common Stock	9
Restricted Stock Units	<u>(2)</u>	01/31/2011	A	1,302,000		<u>(2)</u>	<u>(2)</u>	Common Stock <u>(3)</u>	1

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Whitten Timothy C/O INSMED INCORPORATED 8720 STONY POINT PARKWAY, SUITE 200 RICHMOND, VA 23235			President & CEO	

Signatures

/s/ Timothy Whitten
02/01/2011

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
 - ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) This Option shall be exercisable with respect to twenty-five percent (25%) of the shares of Common Stock subject to this Option on the first anniversary of the Date of Grant and with respect to an additional twelve and a half percent (12.5%) of the shares of Common Stock subject to this Option on the sixth month anniversary of the First Anniversary Date and each sixth month anniversary date thereafter through the fourth anniversary of the Date of Grant.
- (2) Pursuant to the Management Agreement these awards are subject to both time (50% of the Award) and performance-based (50% of the Award) vesting. The portion of the Award subject to time-based vesting shall vest on the 3rd anniversary of the grant date or January 31, 2014, so long as the member of management continues to be employed by the Company. The portion of the Award subject to performance-based vesting shall vest based on the date on which the Board determines that Arikace has achieved its primary endpoint in a Phase III trial, provided that the Grantee continues to be employed with the Company on such date.
- (3) Restricted Stock Units will be paid to the grantee in cash upon vesting, unless one of the following occurs: 1) the shareholders of the issuer approve an amendment to the issuer's Amended & Restated 2000 Stock Incentive Plan to increase the number of shares of common stock that may be issued under the plan or 2) additional shares become available to the plan through stock option expirations and/or employee terminations, in which case the grantee may receive shares of common stock in lieu of cash.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.