

MOMENTA PHARMACEUTICALS INC  
 Form 4  
 December 20, 2006

**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 \*  
 Shapiro Bennett M

(Last) (First) (Middle)

C/O MOMENTA  
 PHARMACEUTICALS, INC., 675  
 WEST KENDALL STREET

(Street)

CAMBRIDGE, MA 02142

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 MOMENTA  
 PHARMACEUTICALS INC  
 [MNTA]

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 12/18/2006

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)

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)	Price		
Common Stock	12/18/2006		S <sup>(1)</sup>	830 D	\$ 16.6	13,170	D
Common Stock	12/18/2006		S <sup>(1)</sup>	50 D	\$ 16.61	13,120	D
Common Stock	12/18/2006		S <sup>(1)</sup>	1,000 D	\$ 16.64	12,120	D
Common Stock	12/18/2006		S <sup>(1)</sup>	100 D	\$ 16.65	12,020	D

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Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	3,100	D	\$ 16.66	8,920	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	100	D	\$ 16.75	8,820	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	100	D	\$ 16.76	8,720	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	400	D	\$ 16.77	8,320	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	100	D	\$ 16.78	8,220	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	400	D	\$ 16.83	7,820	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	1,100	D	\$ 16.84	6,720	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	100	D	\$ 16.91	6,620	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	200	D	\$ 16.92	6,420	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	120	D	\$ 16.93	6,300	D
Common Stock	12/18/2006	<u>S</u> <sup>(1)</sup>	1,300	D	\$ 16.95	5,000	D

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

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(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option to Purchase	\$ 0.23	12/18/2006		M	10,000	02/05/2004 <sup>(2)</sup>	02/04/2013	Common Stock	81,200

Common  
Stock

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shapiro Bennett M C/O MOMENTA PHARMACEUTICALS, INC. 675 WEST KENDALL STREET CAMBRIDGE, MA 02142	X			

## Signatures

/s/ Michael Flanagan, as attorney  
in fact

12/20/2006

\_\_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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 22nd 2006.
  - (2) The stock option vested as to 25% of the shares on February 5, 2004 and as to an additional 25% of the shares at the end of each successive annual period.
  - (3) Includes multiple option grants with different prices and vesting dates.

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