

WHEELER CRAIG A  
Form 4  
February 24, 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 \*  
WHEELER CRAIG A

(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)  
02/22/2011

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

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount		
					(A) or (D)		
					Price		
Common Stock	02/22/2011		S <sup>(1)</sup>		8,437	D	
					\$ 13.38 <sup>(2)</sup>		
Common Stock	02/22/2011		A		75,000 <sup>(3)</sup>	A	
					\$ 0		
Common Stock	02/23/2011		S <sup>(1)</sup>		2,109	D	
					\$ 13.28		
					402,735 <sup>(5)</sup>		

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 Number of Shares
Stock Option (Right to Buy)	\$ 13.26	02/22/2011		A	100,000 (4)	05/22/2011 02/22/2021	Common Stock 100,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WHEELER CRAIG A C/O MOMENTA PHARMACEUTICALS, INC. 675 WEST KENDALL STREET CAMBRIDGE, MA 02142	X		President	

## Signatures

/s/ Michael Flanagan as attorney in fact  
Date: 02/24/2011

\_\_\_\_\_  
Signature of Reporting Person

## 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 sale was effected pursuant to a rule 10b5-1 trading plan adopted by the reporting person on December 12, 2007  
This transaction was executed in multiple trades at prices ranging from \$13.25 to \$13.55. The price reported above reflects the weighted average sale price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transaction was effected.
- (3) Represents 75,000 shares of restricted common stock, \$0.0001 par value per share, awarded pursuant to the Company's 2004 Stock Incentive Plan, as amended, and subject to a restricted stock agreement to be entered into between the Company and Mr. Wheeler. Pursuant to the restricted stock agreement, 25% of the shares of restricted Common Stock shall vest on February 22, 2012, and an additional 6.25% of the shares of restricted Common Stock shall vest at the end of each three-month period thereafter.
- (4)

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Represents an option granted by the issuer pursuant to the issuer's 2004 Stock Incentive Plan. Subject to certain criteria, the shares subject to such option vest as to 6.25% of the shares at the end of each three-month period following the grant date.

(5) Includes direct ownership of 241,173 shares and indirect ownership of 161,562 shares through the Craig Wheeler Revocable Trust.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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