Bishop John E Form 4 August 30, 2010

FORM 4

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

Check this box STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Section 16. Form 4 or Form 5 obligations may continue. See Instruction

if no longer

subject to

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

1(b).

Bishop John E

(Print or Type Responses)

1. Name and Address of Reporting Person *

r			MOMENTA PHARMACEUTICALS INC	(Check all applicable)		
			[MNTA]	Director 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	_X_ Officer (give title Other (speci		

2. Issuer Name and Ticker or Trading

(Month/Day/Year) 675 WEST KENDALL STREET 08/26/2010

> (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

CAMBRIDGE, MA 02142

Stock

(City)	(State)	(Zip) Table	e I - Non-D	erivative	Securi	ities Acq	uired, Disposed o	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution Date, if any	Code	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	Indirect Beneficial	
		(Month/Day/Year)	(Instr. 8) Code V	Amount	(A) or (D)	Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common	08/26/2010		S(1)	284	D	\$	48,955	D	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

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Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

Senior VP, Pharmaceutical Scie

Form filed by More than One Reporting

Issuer

Person

16.57

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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. Transactio Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D)		nte Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr	
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title N	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Bishop John E

675 WEST KENDALL STREET CAMBRIDGE, MA 02142 Senior VP, Pharmaceutical Scie

Signatures

/s/ Michael Flanagan as attorney in fact 08/30/2010

**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 sale was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on November 9, 2009.

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.

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