Common Stock

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FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
Estimated average b	ourden								

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hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) 2. Issuer Name and Ticker or Trading Symbol 1. Name and Address of Reporting Person ISIS PHARMACEUTICALS INC [ ISIS ] PARSHALL B LYNNE X Director 10% Owner Officer (give title Other (specify X below) below) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) 12/31/2009 Director, COO C/O ISIS PHARMACEUTICALS, INC. 1896 RUTHERFORD ROAD 4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) (Street) Form filed by One Reporting Person 92008 **CARLSBAD** CA Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) 1. Title of Security (Instr. 3) 2. Transaction 2A. Deemed 5. Amount of 6. Ownership 7. Nature **Execution Date** Transaction Securities Form: Direct of Indirect if any (Month/Day/Year) (Month/Day/Year) Code (Instr. Beneficially (D) or Indirect Beneficial 8) Owned Following (I) (Instr. 4) Ownership Reported (Instr. 4) (A) or (D) nsaction(s) ٧ Price Code Amount (Instr. 3 and 4) By

> Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned nuts calls warrants ontions convertible securities)

M<sup>(1)</sup>

**c**(2)

 $M^{(1)}$ 

 $S^{(2)}$ 

12/31/2009

12/31/2009

12/31/2009

12/31/2009

3,545(1)

3,545(2)

3,545(1)

3,545(2)

Α

D

A

D

\$6.8125

\$11.21

\$6.8125

\$11.21

3,545

0

3,545

0

1,985

I

Ī

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D

daughter

daughter By

daughter

daughter

By

			(e.g.,	puis,	cans	, wa	ırranı	s, options	, converu	Die Sect	inues)				
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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock Option (right to buy)	\$6.8125	12/31/2009	12/31/2009	М			3,545	01/06/2000	01/05/2010	Common Stock	3,545	\$0	0	I	By daughter
Employee Stock Option (right to	\$6.8125	12/31/2009	12/31/2009	M			3,545	01/06/2000	01/05/2010	Common Stock	3,545	\$0	0	I	By daughter

### **Explanation of Responses:**

- 1. Acquired as a result of exercising a stock option that was scheduled to expire on 1/5/10. The purchase reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on 10/1/08.
- $2. \ The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on <math>10/1/08$ .

12/31/2009

12/31/2009

12/31/2009

12/31/2009

# Remarks:

/s/B. Lynne Parshall

12/31/2009

\*\* Signature of Reporting Person

Date

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

- \* 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).

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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