FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

asimgton, D.C. 20049	OMB APPROVAL
	ll entered

OMB Number:	3235-028							
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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).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* WENDER JOSEPH H					2. Issuer Name and Ticker or Trading Symbol ISIS PHARMACEUTICALS INC [ISIS]						(Che	elationship o ck all applic Director	able)	Person(s) to Is	Owner	
(Last) C/O ISIS	`	irst) .CEUTICALS, I	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 07/01/2009							Officer below)	(give title	Other below	(specify	
1896 RUTHERFORD ROAD				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable				
(Street)	BAD C.	A	90008								Line	Form fi	led by More	Reporting Pers than One Rep		
(City)	(S	tate)	(Zip)													
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																
Date				Transactio ate Ionth/Day/\	Execution Date,		Code (Instr. 5)				5. Amour Securitie Beneficia Owned F Reported	s Formally (D) (ollowing (I) (II)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
						Code V	Amount	(A) or (D)	Price	Transacti (Instr. 3 a	ion(s)		(Instr. 4)			
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																
Derivative Conversion Date Execution Date, Tr Security or Exercise (Month/Day/Year) if any Co		Code	ansaction of		Expiration Date (Month/Day/Year)		7. Title and of Securiti Underlying Derivative (Instr. 3 and	ies g Security	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactior (Instr. 4)	Ownersh Form: Direct (D or Indirect (I) (Instr.	Beneficial Ownership t (Instr. 4)				
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Director Stock Option (right to buy)	\$16.32	07/01/2009	07/01/2009	A		15,000		07/01/2010 ⁽¹⁾	06/30/2019	Common Stock	15,000	\$0	15,000	D		

Explanation of Responses:

1. Grant of 7-1-09 to reporting person of stock options under the Isis Pharmaceuticals, Inc. 2002 Non-Employee Directors' Stock Option Plan. The option vests and becomes exercisable in four equal annual installments, with the first installment vesting on 7-1-10. The option shall be fully vested and exercisable on 7-1-13. The option is exercisable as to 0 shares on 7-1-09.

Remarks:

/s/B. Lynne Parshall, Attorneyin-Fact 07/02/2009

** 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.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.