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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response:

0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

FORM 4

Check this box if no longer subject or Form 5 obligations may continu	Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940									hours per response: 0.5			0.5					
1. Name and Address of Reporting Person [*] HOUGEN ELIZABETH L						2. Issuer Name and Ticker or Trading Symbol <u>ISIS PHARMACEUTICALS INC</u> [ISIS]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) C/O ISIS PHARMACEUTICALS, INC. 2855 GAZELLE COURT					3. Date of Earliest Transaction (Month/Day/Year) 01/01/2015								X	X Officer (give title below) Other (specify below) SVP, Finance & CFO				
(Street) CARLSBAD C (City) (S	A 92010 ate) (Zip)				4. If Amendment, Date of Original Filed (Month/Day/Year)								6. Individual X	6. Individual or Joint/Group Filing (Check Applicable Line) X 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. Transact Date	Execu	ition Date,	3. Transaction 4 Code (Instr. 8) 3		4. Securities Acquired (A) or Disposed Of (D 3, 4 and 5)			B	Beneficially Owned F		6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial	
					(Month/Day	/Year) if any (Mont	h/Day/Year)	Code	Code V Amount			(A) or (D)		Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	Ownership (Instr. 4)	
Common Stock						015 01/	01/2015	J ⁽¹⁾	v		63	Α	\$30.0475	1,295		D		
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. Transac (Instr. 8)	tion Code	5. Number of Securities Ac Disposed of and 5)	quired (A) or	Expiration	6. Date Exercisable and Expiration Date (Month/Day/Year)			Amount of Secu ecurity (Instr. 3	rities Underlying and 4)	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following	Form: Direct (D) or Indirect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisab	le Da	xpiration ate	Title		Amount or Number of Shares		Reported Transactio (Instr. 4)	on(s)		
Employee Stock Option (right to buy)	\$61.57	01/02/2015	01/02/2015	Α		33,112		01/02/2010	5 ⁽²⁾ 01	1/01/2022	Comm	ion Stock	33,112	\$0	33,112	2 D		

Explanation of Responses:

1. Reporting 63 shares acquired under the Isis Pharmaceuticals, Inc. Amended and Restated 2000 Employee Stock Purchase Plan on January 1, 2015. These 63 shares may not be sold until July 2, 2015.

2. Grant of 1/2/2015 to reporting person of stock options under the Isis Pharmacueticals, Inc. 2011 Equity Incentive Plan. 25% of the shares subject to the option vest and become exercisable on 1/2/2016. Thereafter, the remaining shares subject to the option vest and become exercisable in 36 equal monthly installments, at the rate of 8,278 shares per year. The option was exercisable as to 0 on 1/2/2015.

Remarks:

/s/Elizabeth Hougen ** Signature of Reporting Person 01/05/2015 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.

Know all by these presents, that the undersigned hereby constitutes and appoints each of Stanley T. Crooke and B. Lynne Parshall, signing individually, the undersigned (1) execute for and on behalf of the undersigned, an officer, director or holder of 10% or more of a registered class of securities of Isis Pharmaceuticals, Inc. (Is (2) do and perform any and all acts for and on behalf of the undersigned that may be necessary or desirable to complete and execute such Form 3, 4 or 5, complete and (3) take any other action of any nature whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit, in the best in The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, (This Power of Attorney shall remain in full force and effect until the earliest to occur of (a) the undersigned is no longer required to file Forms 3, 4 and 5 with t

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 1st day of January, 2013.

/S/Elizabeth L. Hougen