FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPR	ROVAL
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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* CROOKE STANLEY T						2. Issuer Name and Ticker or Trading Symbol ISIS PHARMACEUTICALS INC [ISIS]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
CRUU	KE STAP	NLEY I			_							. []		X	Directo	or		10% Ov	ner	
(Last) (First) (Middle) C/O ISIS PHARMACEUTICALS, INC.					3. Date of Earliest Transaction (Month/Day/Year) 12/04/2009								X	below)	give title airman, Presid		Other (s below) ent, CEO	pecify		
1896 RUTHERFORD ROAD																				
Street) CARLSBAD CA 92008					_ 4.1	If Amendment, Date of Original Filed (Month/Day/Year)								 Individual or Joint/Group Filing (Check Applicabine) X Form filed by One Reporting Person Form filed by More than One Reporting 					ı	
(City)	(S	tate)	(Zip)		_										Person		e man	One Repoi	ung	
		Tab	ole I - No	n-Deri	vativ	e S	ecuri	ties Ac	quired	, Dis	sposed o	f, or Be	neficia	lly O	wned					
1. Title of Security (Instr. 3) 2. T				2. Trans	nsaction n/Day/Year)		2A. Deemed Execution Date,		3. Transaction Code (Instr.		4. Securities Acquired (A)		d (A) or	5. Amou Securitie Benefici		int of	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount	(A) or (D)			Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)	
Common Stock 12.						/2009		12/04/2009			30,000(000 ⁽¹⁾ A S		25	5 30,000		D			
Common Stock 12/0					4/2009	2009		12/04/2009			30,000	2) D	\$10.55			0		D		
Common Stock 12/07/2					7/2009	2009 1		12/07/2009			30,000	1) A	\$6.81	.25	30,000			D		
Common Stock 12/07/2					7/2009	2009 12/		7/2009	S ⁽²⁾		30,000	2) D	\$10 .	52	2 0			D		
Common Stock														875,391			I	By Trust		
		-	Table II								osed of, convertil			y Ow	ned					
1. Title of Derivative Security (Instr. 3)	erivative Conversion Date Execution Da ecurity or Exercise (Month/Day/Year) if any			Date,	4. Transacti Code (Ins 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)			7. Title and Am of Securities Underlying Derivative Secu (Instr. 3 and 4)		Derivative Security		9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr.		11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					Code V		(A)	(D)	Date Exercisa		Expiration Date	Title	Amount or Number of Shares							
Employee Stock Option (right to buy)	\$6.8125	12/04/2009	12/04/2009		M	М 30,00		30,000	01/02/20	002	01/05/2010	Common Stock	30,000		\$0	220,000		D		
Employee Stock Option (right to buy)	\$6.8125	12/07/2009	12/07/2009		M	M		30,000	01/02/2002		01/05/2010	Common Stock 30,0			\$0	190,000		D		

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

2. The sale reported in this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on 2/15/08.

Remarks:

/s/Stanley T. Crooke

12/08/2009

** Signature of Reporting Person

Date

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

** 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.

^{*} If the form is filed by more than one reporting person, see Instruction 4 (b)(v).