FORM 5

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

OMB APPROVAL							
OMB Number:	3235-0362						
Estimated average	burden						
hours per response	1.0						

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

Form 3 Holdings Reported

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 4 Transactions Reported Filed pursuant to Section	Section 30(h) of the	
Name and Address of Reporting Person *	2. Issuer Name and Ticker or Trading Symbol Tonix Pharmaceuticals Holding Corp. [TNXP]	5. Relationship of Repo

1. Name and Address of Reporting Person * LEDERMAN SETH				2. Issuer Name and Ticker or Trading Symbol Tonix Pharmaceuticals Holding Corp. [TNXP]					P] (Chec	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner			
(Last) (First) (Middle) C/O TONIX PHARMACEUTICALS HOLDING CORP., 509 MADISON AVENUE, SUITE 306				Statement for Month/Day/Y 2/31/2016	or Issuer's Fisca ear)	al Year Er	nded	X Officer (give title below	y) Oth	er (specify below) ricer			
(Street) NEW YORK, NY 10022				If Amendme	ent, Date Origi	nal Filed(!	Month/Da	(che _X_ Form Filed by One Repor	6. Individual or Joint/Group Reporting (check applicable line) _X_Form Filed by One Reporting Person Form Filed by More than One Reporting Person				
(City)	(State)	(Zip)		Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security (Instr. 3)		2. Transaction Date (Month/Day/Year)	Execu	eemed tion Date, if h/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi Acquired Disposed (Instr. 3,	d (A) od of (D 4 and (A))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	reficially Owned at end Ownership In Suer's Fiscal Year Form:			
						Amount	or (D)	Price		(Instr. 4)			
Common Stock		06/30/2016			J <u>(1)</u>	3,296	A	\$ 1.74	79,111	D			
Common Stock									31,000	I	By spouse		
Common Stock									133,000	I	By 401(k) plan		
Common Stock									29,167	I	By Leder Laboratories, Inc. (2)		
Common Stock									29,167	I	By Starling Pharmaceuticals, Inc. (2)		
Common Stock									184,628	I	By Lederman & Co., LLC (2)		
Common Stock									32,457	I	By L&L Technologies, LLC (2)		
Common Stock									58,972	I	By Targent Pharmaceuticals, LLC (2)		

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

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 control number.

SEC 2270 (9-02)

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

	1. Title of	2.	3. Transaction	3A. Deemed	4.	5. Nu	nber	6. Date Exer	rcisable	7. Tit	le and	8. Price of	9. Number	10.	11. Nature
1	Derivative	Conversion	Date	Execution Date, if	Transaction	of		and Expirati	on Date	Amou	unt of	Derivative	of	Ownership	of Indirect
1	Security	or Exercise	(Month/Day/Year)	any	Code	Deriva	ative	(Month/Day	/Year)	Unde	rlying	Security	Derivative	Form of	Beneficial
-	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Secur	ities			Secur	rities	(Instr. 5)	Securities	Derivative	Ownership
П		Derivative				Acqui	red			(Instr	. 3 and		Beneficially	Security:	(Instr. 4)
П		Security				(A) or				4)			Owned at	Direct (D)	
						Dispo	sed						End of	or Indirect	
						of (D)	1						Issuer's	(I)	
						(Instr.	3,						Fiscal Year	(Instr. 4)	
						4, and	5)						(Instr. 4)		
П															
П											Amount				
								Date	Expiration Date	m: 1	or				
П								Exercisable	Date	Title	Number				
							(D)				of				
41						(A)	(D)				Shares				

Reporting Owners

Reporting Owner Name / Address		Relationships	
Reporting Owner Name / Address			

		100/ Owner		Othor	
LEDERMAN SETH	Director	1070 OWIICI	Officer	Other	
C/O TONIX PHARMACEUTICALS HOLDING CORP.	v		Chief Executive Officer		
509 MADISON AVENUE, SUITE 306	Λ		Chief Executive Officer		
NEW YORK, NY 10022					

Signatures

/s/Jessica Morris, Attorney-in-Fact	02/13/2017
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) Shares acquired through the Tonix Pharmaceuticals Holding Corp. Employee Stock Purchase Plan.
- (2) Reporting person may be deemed to be a control person of this entity.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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