

# FORM 5

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

OMB APPROVAL

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**ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF  
 SECURITIES**

- 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
- Form 4 Transactions Reported

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* <b>SULLIVAN GREGORY M</b>			2. Issuer Name and Ticker or Trading Symbol <b>Tonix Pharmaceuticals Holding Corp. [TNXP]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director _____ 10% Owner _____ X Officer (give title below) _____ Other (specify below) _____ Chief Medical Officer			
(Last) (First) (Middle)  C/O TONIX PHARMACEUTICALS HOLDINGS CORP, 26 MAIN ST, SUITE 101			3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2021						
(Street)  CHATHAM, NJ 07928			4. If Amendment, Date Original Filed(Month/Day/Year)			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)			<b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b>						
1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock, par value \$0.001	06/30/2021 (1)		A	36,496	A	\$ 0.58	99,223	D	

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 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 Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned at End of Issuer's Fiscal Year (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
						Date Exercisable	Expiration Date					
					(A) (D)							

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SULLIVAN GREGORY M C/O TONIX PHARMACEUTICALS HOLDINGS CORP 26 MAIN ST, SUITE 101 CHATHAM, NJ 07928			Chief Medical Officer	

## Signatures

/s/ Gregory Sullivan	02/11/2022
**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. 2020 Employee Stock Purchase Plan.

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.