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

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# FORM 8-K

## CURRENT REPORT

## Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of report (date of earliest event reported): May 29, 2019

## TONIX PHARMACEUTICALS HOLDING CORP. (Exact name of registrant as specified in its charter)

Nevada (State or Other Jurisdiction of Incorporation) 001-36019 (Commission File Number) 26-1434750 (IRS Employer Identification No.)

509 Madison Avenue, Suite 1608, New York, New York 10022 (Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: (212) 980-9155

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

□ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§ 230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§ 240.12b-2 of this chapter). Emerging growth company  $\Box$ 

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. Securities registered pursuant to Section 12(b) of the Act:

| Title of each class | Trading Symbol(s) | Name of each exchange on which registered |
|---------------------|-------------------|---|
| Common Stock        | TNXP              | The NASDAQ Global Market                  |

### Item 7.01 Regulation FD Disclosure.

Tonix Pharmaceuticals Holding Corp. (the "Company") presented a poster (the "Poster Presentation") entitled "Steady-State Pharmacokinetic Properties of a Sublingual Formulation of Cyclobenzaprine (CBP) HCl (TNX-102 SL\*): Comparison to Simulations of Oral Immediate Release CBP" on May 29, 2019 at the American Society of Clinical Psychopharmacology (ASCP) 2019 Annual Meeting. Copies of the Poster Presentation and the press release that discusses this matter are filed as Exhibits 99.01 and 99.02, respectively, to, and incorporated by reference in, this report.

The information in this Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.01 and Exhibit 99.02 attached hereto, shall not be deemed "filed" for purposes of Section 18 of the United States Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the United States Securities Act of 1933 or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

## Item 9.01 Financial Statements and Exhibits.

| (d) | Exhibit<br>No.               | Description.   |  |
|-----|------------------------------|--|--|
|     | <u>99.01</u><br><u>99.02</u> | Poster Presentation<br>Press Release dated May 30, 2019, issued by the Company |  |

## SIGNATURE

Pursuant to the requirement of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

# TONIX PHARMACEUTICALS HOLDING CORP.

Date: May 30, 2019

By: <u>/s/ Bradley Saenger</u> Bradley Saenger Chief Financial Officer

### Exhibit 99.01



#### Tonix Pharmaceuticals Presented Results from Pharmacokinetic Analyses of TNX-102 SL in a Poster Presentation at the American Society of Clinical Psychopharmacology

NEW YORK, May 30, 2019 (GLOBE NEWSWIRE) -- Tonix Pharmaceuticals Holding Corp. (Nasdaq: TNXP) (Tonix or the Company) a clinical-stage biopharmaceutical company focused on developing small molecules and biologics to treat psychiatric, pain and addiction conditions as well as to improve biodefense, presented a poster at the American Society of Clinical Psychopharmacology (ASCP) 2019 Annual Meeting held May 28-31, 2019, in Scottsdale, Ariz. The poster, titled "Steady-State Pharmacokinetic Properties of a Sublingual Formulation of Cyclobenzaprine (CBP) HCl (TNX-102 SL\*): Comparison to Simulations of Oral Immediate Release CBP" includes pharmacokinetic, or PK, analyses of TNX-102 SL. The poster can be found on the Scientific Presentations page of Tonix's website.

The poster presentation reports PK results of TNX-102 SL, a sublingual form of cyclobenzaprine (CBP), studied in a comparative PK, open-label, randomized, parallel, twoarm, multiple-dose bridging study, with the reference listed drug AMRIX® (cyclobenzaprine HCl extended release capsules). TNX-102 SL is being developed as a potential treatment for posttraumatic stress disorder (PTSD), fibromyalgia (FM) and agitation in Alzheimer's disease (AAD), which are central nervous system (CNS) conditions in which sleep disturbances are believed to play essential roles in the illness expression.

Gregory M. Sullivan, M.D., Chief Medical Officer, Tonix Pharmaceuticals Holdings Corp., commented, "We believe this study serves to bridge TNX-102 SL to the safety findings and relevant labeling information of AMRIX, qualifying it for the 505(b)(2) regulatory approval pathway, which is intended to streamline the U.S. Food and Drug Administration (FDA) approval of pharmaceutical products that incorporate already-approved pharmacological agents."

Dr. Sullivan added, "Designing a drug begins with the active ingredient, but formulation is key to improving characteristics such as how much of the administered drug gets to the target organ and how quickly it gets there. For TNX-102 SL the target organ is the brain, and CBP is known to efficiently pass from the blood stream to the brain. We believe that data from this PK study confirms that TNX-102 SL as a sublingual tablet delivers CBP dynamically into the blood stream with reduced formation of nCBP, which are properties that we consider optimized for a sleep quality drug. We believe these data support the use of TNX-102 SL as a potential chronic bedtime treatment for PTSD, FM and AAD."

### About Tonix Pharmaceuticals Holding Corp.

Tonix is a clinical-stage biopharmaceutical company focused on discovering and developing pharmaceutical products to treat psychiatric, pain and addiction conditions, and biological products to improve biodefense through potential medical counter-measures. Tonix's lead program is for the development of Tonmya\*\* (TNX-102 SL), which is in Phase 3 development as a bedtime treatment for PTSD. TNX-102 SL for the treatment of PTSD has U.S. Food and Drug Administration (FDA) Breakthrough Therapy designation. Tonix is also developing TNX-102 SL as a bedtime treatment for fibromyalgia and agitation in Alzheimer's disease under separate Investigational New Drug applications (INDs) to support potential pivotal efficacy studies. The fibromyalgia program is in Phase 3 development and the agitation in Alzheimer's program is Phase 2 ready. The agitation in Alzheimer's disease IND has been designated a Fast Track development for the treatment of cocaine intoxication. TNX-1300 (formerly known as RBP-8000) is a recombinant protein enzyme produced through rDNA technology in a non-disease-producing strain of *E. coli* bacteria. TNX-1300 for cocaine intoxication has FDA Breakthrough Therapy designation. TNX-601 (tianeptine oxalate) is in the pre-IND application stage, also for the treatment of PTSD but by a different mechanism from TNX-102 SL and designed for daytime dosing. TNX-601 will be conducted outside of the U.S. in 2019. TNX-801 (live virus vaccine for percutaneous (scarification) administration) is a potential smallpox-preventing vaccine based on a live synthetic version of horsepox virus, currently in the pre-IND application stage.

\* TNX-102 SL (cyclobenzaprine HCl sublingual tablets) is an investigational new drug and has not been approved for any indication.

\*\*Tonmya has been conditionally accepted by the U.S. Food and Drug Administration (FDA) as the proposed trade name for TNX-102 SL for the treatment of PTSD.

\*\*\*TNX-1300 (T172R/G173Q double-mutant cocaine esterase 200 mg, i.v. solution) is an investigational new biologic and has not been approved for any indication.

This press release and further information about Tonix can be found atwww.tonixpharma.com.

#### **Forward Looking Statements**

Certain statements in this press release are forward-looking within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may be identified by the use of forward-looking words such as "anticipate," "believe," "forecast," "estimate," "expect," and "intend," among others. These forward-looking statements are based on Tonix's current expectations and actual results could differ materially. There are a number of factors that could cause actual events to differ materially from those indicated by such forward-looking statements. These factors include, but are not limited to, risks related to failure to obtain FDA clearances or approvals and noncompliance with FDA regulations; our need for additional financing; uncertainties of patent protection and litigation; uncertainties of government or third party payor reimbursement; limited research and development, fregulatory approval and commercialization of new products. Tonix does not undertake an obligation to update or revise any forward-looking statement. Investors should read the risk factors set forth in the Annual Report on Form 10-K for the year ended December 31, 2018, as filed with the Securities and Exchange Commission (the "SEC") on March 18, 2019, and periodic reports filed with the SEC on or after the date thereof. All of Tonix's forward-looking statements are expressly qualified by all such risk factors and other cautionary statements. The information set forth herein speaks only as of the date thereof.

### Contacts

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