

**Tonix Pharmaceuticals Holding Corp.**  
**26 Main Street, Suite 101**  
**Chatham, New Jersey 07928**

August 24, 2022

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549

**Re: Tonix Pharmaceuticals Holding Corp.**  
**Registration Statement on Form S-3 (File No. 333- 266982)**  
**Filed on August 19, 2022**

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended, Tonix Pharmaceuticals Holding Corp. hereby requests that the above-referenced Registration Statement (the "Registration Statement") be declared effective by the Securities and Exchange Commission at 4:00 p.m., Eastern Time, on August 26, 2022, or as soon as practicable thereafter.

Please call Irina Ishak of Lowenstein Sandler LLP at (973) 422-6406 to confirm the effectiveness of the Registration Statement or with any questions.

Very truly yours,

TONIX PHARMACEUTICALS HOLDINGS CORP.

By: /s/ Bradley Saenger  
Name: Bradley Saenger  
Title: Chief Financial Officer

---