

Lexicon Pharmaceuticals, Inc.
2445 Technology Forest Blvd., 11th Floor
The Woodlands, Texas 77381-1160
(281) 863-3000

May 13, 2024

VIA EDGAR

United States Securities and Exchange Commission
Division of Corporation Finance
Office of Life Sciences
100 F Street, N.E.
Washington, D.C. 20549-3561

Attention: Tyler Howes

Re: Lexicon Pharmaceuticals, Inc.
Form S-3 Registration Statement
Filed March 25, 2024 (Amended May 10, 2024)
File No. 333-278210

Dear Mr. Howes:

Lexicon Pharmaceuticals, Inc., a Delaware corporation (the "Company") hereby requests that the effective date of the Company's Registration Statement on Form S-3, as amended (File No. 333-278210) be accelerated under Rule 461 under the Securities Act of 1933, as amended, so that it is declared effective at 4:00 p.m., Eastern time, on May 15, 2024 or as soon thereafter as possible.

We request that we be notified of such effectiveness by a telephone call to Jackson A. O'Maley of Vinson & Elkins L.L.P. at (713) 758-3374 and that such effectiveness also be confirmed in writing.

Thank you for your attention to this matter.

[Signature page follows]

Very truly yours,

Lexicon Pharmaceuticals, Inc.

By: /s/ Brian T. Crum

Name: Brian T. Crum

Title: Senior Vice President, General Counsel, and
Secretary

cc: Vinson & Elkins L.L.P.
Jackson A. O'Maley
David P. Oelman