UNITED STATES SECURITIES AND EXCHANGE COMMISSION December 20, 2016

ORDER GRANTING CONFIDENTIAL TREATMENT UNDER THE SECURITIES EXCHANGE ACT OF 1934

Lexicon Pharmaceuticals, Inc.

File No. 000-30111 - CF#34433

Lexicon Pharmaceuticals, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on November 7, 2016.

Based on representations by Lexicon Pharmaceuticals, Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 10.1 through October 31, 2026

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Brent J. Fields Secretary