

LEXICON PHARMACEUTICALS, INC./DE  
Form FWP  
October 09, 2009

Filed pursuant to Rule 433  
Registration No.: 333-161696  
October 8, 2009

**Lexicon Pharmaceuticals, Inc.**  
**\$50,000,000**  
**33,333,333 Shares of Common Stock**

Issuer: Lexicon Pharmaceuticals, Inc.  
Symbol: LXRX  
Size: \$50,000,000.00  
Total Shares Offered: 33,333,333 Shares of Common Stock  
Greenshoe Offered by Issuer: 2,984,111 Shares of Common Stock  
Price to Public: \$1.50 per share  
Trade Date: October 8, 2009  
Closing Date: October 14, 2009  
CUSIP No: 528872104  
Underwriters: Morgan Stanley & Co. Incorporated  
Thomas Weisel Partners LLC

Invus, L.P., the largest shareholder of Lexicon Pharmaceuticals, Inc., has agreed to purchase 13,439,257 of the 33,333,333 shares of Common Stock offered directly from Lexicon Pharmaceuticals, Inc. at the per share price to the public set forth above.

The issuer has filed a registration statement (including a prospectus) with the SEC for the offering to which this communication relates. Before you invest, you should read the prospectus in that registration statement and other documents the issuer has filed with the SEC for more complete information about the issuer and this offering. You may get these documents for free by visiting EDGAR on the SEC Web site at [www.sec.gov](http://www.sec.gov). Alternatively, the issuer, any underwriter or any dealer participating in the offering will arrange to send you the prospectus if you request it by calling toll-free 1-(866) 718-1649, or by emailing [prospectus@morganstanley.com](mailto:prospectus@morganstanley.com).