EXECUTE SUCCESS℠

CBOE Research Circular #RS13-108

Date: March 4, 2013

To: Permit Holders
From: Scott Speer
RE: ADVENTRX Pharmaceuticals, Inc. ("ANX")
Name, Stock and Option Symbol Change to
Mast Therapeutics, Inc. ("MSTX")
Effective Date: March 11, 2013

ADVENTRX Pharmaceuticals, Inc. The NYSE MKT LLC has informed the CBOE that on March 11, 2013, the name and stock symbol will change from ADVENTRX Pharmaceuticals, Inc. ("ANX") to **Mast Therapeutics, Inc. ("MSTX").** In order to reflect this name and underlying stock symbol change, the ANX option symbol will change to **MSTX** effective for trading on Monday, March 11, 2013. Strike prices and all other option terms remain the same.

GTC Order Conversion

On Friday, March 8, 2013, immediately after the CBOE close, the system will convert or cancel all resting orders in the ANX order book. If your firm has requested, all booked orders (phone, wire, and electronic) and all ORS orders residing outside the book (booth or crowd routed) will be converted reflecting the adjustments. If your firm has requested, all booked orders and ORS orders residing outside of the book will be canceled. If your firm receives CXL drops, the CXL confirms will print at your booth at 3:15 p.m. ORS CXLs will also be transmitted electronically to your branches.

A report will be available at the Help Desk listing the orders that are converted or canceled. If converted, this list will also show how the new orders will be adjusted. This report will be available on request anytime during the day prior to the night of the adjustment.

Questions regarding this memo can be addressed to Options Industry Services at 1-888-OPTIONS (1-888-678-4667). CBOE contract adjustment memos can also be accessed from CBOE.com at the following web address:

http://www.cboe.com/ContractAdjustments