

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
MAY 16, 2014**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

Mast Therapeutics, Inc.

File No. 001-32157 -- CF# 31088

Mast Therapeutics, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on May 5, 2014.

Based on representations by Mast Therapeutics, 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 exhibits will not be released to the public for the time periods specified:

Exhibit 2.1	through February 27, 2019
Exhibit 10.1	through February 27, 2019

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

Kevin M. O'Neill
Deputy Secretary