

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
April 24, 2015**

**ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES ACT OF 1933**

Pfenex Inc.

File No. 333- 203418 - CF#32384

Pfenex Inc. submitted an application under Rule 406 requesting confidential treatment for information it excluded from the exhibits to a Form S-1 registration statement filed on April 15, 2015, as amended.

Based on representations by Pfenex 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 10.34	through May 5, 2019
Exhibit 10.35	through April 15, 2020

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

Brent J. Fields
Secretary