

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
July 30, 2014**

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

**Pfenex Inc.**

**File No. 333-196539 - CF#31094**

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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 June 5, 2014.

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 10.6	through December 31, 2020
Exhibit 10.7	through May 5, 2024
Exhibit 10.8	through May 5, 2017
Exhibit 10.12	through May 5, 2017
Exhibit 10.13	through May 5, 2019
Exhibit 10.25	through May 5, 2019

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

Kevin M. O'Neill  
Deputy Secretary