

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
October 29, 2010**

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

**Inspire Pharmaceuticals, Inc.**

**File No. 1-31577- CF#25803**

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Inspire Pharmaceuticals, Inc. submitted an application under Rule 24b-2 requesting an extension of a previous grant of confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on December 9, 2003.

Based on representations by Inspire Pharmaceuticals, 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 exhibit(s) will not be released to the public for the time period(s) specified:

Exhibit 10.1                      through August 19, 2020

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

Daniel Greenspan  
Special Counsel