

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
July 25, 2011**

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

Alnylam Pharmaceuticals, Inc.

File No. 000-50743 - CF#27010

Alnylam Pharmaceuticals, Inc. submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 8-K filed on June 29, 2011.

Based on representations by Alnylam 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 June 29, 2021
Exhibit 10.2	through June 29, 2021

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

Brigitte Lippmann
Special Counsel