

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
July 3, 2013**

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

**LipoScience, Inc.**

**File No. 333-175102 - CF#29839**

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LipoScience, Inc. submitted an application under Rule 406 requesting an extension of a previous grant of confidential treatment for information it excluded from the Exhibits to a Form S-1 registration statement filed on June 23, 2011, as amended.

Based on representations by LipoScience, 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 will not be released to the public for the time period specified:

Exhibit 10.35.1            through June 8, 2014

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

Elizabeth M. Murphy  
Secretary