

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
May 2, 2019**

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

Ionis Pharmaceuticals, Inc.  
File No. 0-19125 - CF#37494  
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Ionis Pharmaceuticals, Inc. (formerly Isis Pharmaceuticals, Inc.) submitted an application under Rule 24b-2 requesting an extension of previous grants of confidential treatment for information it excluded from the Exhibits to the Forms listed below.

Based on representations by Ionis 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:

<b>Exhibit</b>	<b>to Form</b>	<b>Filed on</b>	<b>Confidential Treatment Granted Through</b>
10.1	10-Q	August 6, 2009	January 28, 2025
10.1	10-Q	November 6, 2012	January 28, 2025

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

Vanessa A. Countryman  
Acting Secretary