UNITED STATES SECURITIES AND EXCHANGE COMMISSION October 13, 2020

ORDER GRANTING CONFIDENTIAL TREATMENT UNDER THE SECURITIES EXCHANGE ACT OF 1934

Acceleron Pharma Inc.

File No. 001-36065 - CF#35647

Acceleron Pharma Inc. submitted an application under Rule 24b-2 requesting an extension of a previous grant of confidential treatment for information it excluded from the Exhibit to a Form 10-Q filed on November 7, 2017.

Based on representations by Acceleron Pharma 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 10.2 through November 7, 2023

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

Patti J. Dennis Chief, Office of Disclosure Support