

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
September 12, 2017**

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

Blueprint Medicines Corporation

File No. 1-37359 - CF#35341

Blueprint Medicines Corporation submitted an application under Rule 24b-2 requesting confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on August 2, 2017.

Based on representations by Blueprint Medicines Corporation 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 exhibits will not be released to the public for the time periods specified:

| | |
|--------------|--------------------------|
| Exhibit 10.1 | through July 5, 2019 |
| Exhibit 10.2 | through November 9, 2026 |

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

Brent J. Fields
Secretary