

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
August 21, 2017**

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

PLx Pharma, Inc.

File No. 1-36351 - CF#35240

PLx Pharma, 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 12, 2017, as amended.

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

| | |
|--------------|-----------------------|
| Exhibit 10.1 | through June 12, 2027 |
| Exhibit 10.2 | through June 12, 2027 |

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

Brent J. Fields
Secretary