

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

**August 24, 2009**

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

**ARCA biopharma, Inc., formerly Nuvelo, Inc.**

**File No. 000-22873- CF#23949**

---

ARCA biopharma, Inc., formerly Nuvelo, Inc., submitted an application under Rule 24b-2 requesting an extension of a prior grant of confidential treatment for information it excluded from the Exhibits to a Form 10-Q filed on August 8, 2006.

Based on representations by ARCA biopharma, Inc., formerly Nuvelo, 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:

Exhibit 10.58                      through June 30, 2016

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

Christian Windsor  
Special Counsel