

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

June 19, 2008

ORDER GRANTING CONFIDENTIAL TREATMENT
UNDER THE SECURITIES EXCHANGE ACT OF 1934

Synta Pharmaceuticals Corp.
File No. 001-33277 - CF#21822

Synta Pharmaceuticals Corp. submitted an application under rule 24b-2 requesting confidential treatment for information it excluded from the Exhibit to a Form 10-K filed on March 20, 2008.

Based on representations by Synta Pharmaceuticals Corp. 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 10.24 through March 20, 2018

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

Kathleen Krebs
Special Counsel