UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): September 26, 2014

GlycoMimetics, Inc.
(Exact name of registrant as specified in its charter)

Delaware	001-36177	06-1686563
(State or other jurisdiction of incorporation)	(Commission File Number)	(IRS Employer Identification No.)

401 Professional Drive, Suite 250
Gaithersburg, MD 20879
(Address of principal executive offices, including zip code)

(240) 243-1201
(Registrant's telephone number, including area code)

N/A
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01 Regulation FD Disclosure.

On September 26, 2014, GlycoMimetics, Inc. (the "Registrant" or the "Company") issued a press release announcing that it has been informed by Pfizer Inc., the company responsible for ongoing clinical development of the Company's drug candidate rivipansel (GMI-1070), that initiation of its Phase 3 clinical trial with rivipansel will be significantly delayed due to a manufacturing development issue impacting formulated drug supply. The Company previously reported that it had expected commencement of the trial before the end of 2014.

A copy of this press release is furnished herewith as Exhibit 99.1 to this Current Report and is incorporated herein by reference.

In accordance with General Instruction B.2. of Form 8-K, the information in this Item 7.01, and Exhibit 99.1 hereto, shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference in any of the Registrant's filings under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date hereof, regardless of any incorporation language in such a filing, except as expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Exhibit Description
99.1	Press Release, dated September 26, 2014, "GlycoMimetics Announces a Delay in the Initiation of the Phase 3 Trial with Rivipansel."

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

GLYCOMIMETICS, INC.

By: /s/ Brian M. Hahn
Brian M. Hahn
Chief Financial Officer

Date: September 26, 2014

EXHIBIT INDEX

Exhibit Number	Exhibit Description
99.1	Press Release, dated September 26, 2014, "GlycoMimetics Announces a Delay in the Initiation of the Phase 3 Trial with Rivipansel."

Exhibit 99.1

GLYCOMIMETICS ANNOUNCES A DELAY IN THE INITIATION OF THE PHASE 3 TRIAL WITH RIVIPANSEL

GAITHERSBURG, MD, September 26, 2014 – GlycoMimetics, Inc. (NASDAQ: GLYC) announced today that it has been informed by Pfizer (NYSE: PFE), the company responsible for ongoing clinical development of rivipansel, that initiation of its Phase 3 clinical trial with rivipansel (GMI-1070) will be significantly delayed due to a manufacturing development issue impacting formulated drug supply. Pfizer advised GlycoMimetics that the issue is under review and Pfizer is working diligently to remedy the situation. Pfizer also noted that upon identifying the specific cause and associated remedy of the manufacturing issue, Pfizer will advise GlycoMimetics of a more specific timeframe regarding the commencement of the Phase 3 study.

GlycoMimetics has previously reported that it expected commencement of the trial before the end of 2014. GlycoMimetics entered into an exclusive license agreement with Pfizer for rivipansel in October 2011. The companies are initially developing rivipansel as a potential treatment for vaso-occlusive crisis of sickle cell disease (VOC). Under the license agreement, Pfizer is responsible for the clinical development, regulatory approval and potential commercialization of rivipansel.

About GlycoMimetics, Inc.

GlycoMimetics is a clinical stage biotechnology company focused on the discovery and development of novel glycomimetic drugs to address unmet medical needs resulting from diseases in which carbohydrate biology plays a key role. Glycomimetics are molecules that mimic the structure of carbohydrates involved in important biological processes. Using its expertise in carbohydrate chemistry and knowledge of carbohydrate biology, GlycoMimetics is developing a pipeline of glycomimetic drug candidates that inhibit disease-related functions of carbohydrates, such as the roles they play in inflammation, cancer and infection.

Cautionary Note Regarding Forward-Looking Statements

This press release contains forward-looking statements regarding the clinical development of rivipansel. Actual results may differ materially from those in these forward-looking statements. For a further description of the risks associated with these statements, as well as other risks facing GlycoMimetics, please see the risk factors described in the Company's quarterly report on Form 10-Q that was filed with the U.S. Securities and Exchange Commission on July 31, 2014, and other filings the Company makes with the SEC from time to time. Forward-looking statements speak only as of the date of this release, and GlycoMimetics undertakes no obligation to update or revise these statements, except as may be required by law.

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