

Ignyta, Inc.  
Form 8-K  
March 30, 2017

**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 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): March 30, 2017**

**IGNYTA, INC.**

**(Exact Name of Registrant as Specified in its Charter)**

**Delaware**  
**(State of Incorporation)**

**001-36344**  
**(Commission**

**45-3174872**  
**(IRS Employer**

**File Number)**  
**4545 Towne Centre Court**

**Identification No.)**

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**San Diego, California 92121**

**(Address of principal executive offices, including zip code)**

**Registrant's telephone number, including area code: (858) 255-5959**

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 March 30, 2017, Ignyta, Inc., (the Company ) announced data demonstrating the successful treatment with entrectinib the Company s investigational, orally available, CNS-active tyrosine kinase inhibitor targeting tumors that harbor TRK, ROS1 or ALK fusions of a patient with a primary brain tumor harboring a NTRK1 fusion. The study, exploring genetic alterations associated with glioneuronal tumors, was led by researchers at Massachusetts General Hospital and was published in *Precision Oncology*. The press release, dated March 30, 2017, announcing the updated results is attached hereto as Exhibit 99.1.

The information contained in this Item 7.01 and in Exhibit 99.1 of this Current Report on Form 8-K shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act ), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such a filing.

**Item 8.01 Other Events**

On March 30, 2017, the Company announced data demonstrating the successful treatment with entrectinib the Company s investigational, orally available, CNS-active tyrosine kinase inhibitor targeting tumors that harbor TRK, ROS1 or ALK fusions of a patient with a primary brain tumor harboring a NTRK1 fusion.

Data presented in the study characterized a cohort of 26 glioneuronal tumors, which identified, through in-depth genomic analysis, BRAF mutations in 34 percent of tumors and oncogenic fusions in 30 percent of tumors. Researchers discovered novel oncogenic fusions involving members of the NTRK gene family in three out of 26 patients evaluated, and reported that in a patient with a BCAN-NTRK1 fusion, treatment with entrectinib resulted in a 60 percent regression in tumor size and the resolution of clinical symptoms that was maintained for 11 months on treatment.

**Item 9.01. Financial Statements and Exhibits**

(d) Exhibits.

Exhibit

No.	Description
99.1	Press Release, dated March 30, 2017.

**SIGNATURE**

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.

Dated: March 30, 2017

**IGNYTA, INC.**

By: /s/ Jonathan E. Lim, M.D.

Name: Jonathan E. Lim, M.D.

Title: President and Chief Executive Officer

**EXHIBIT INDEX**

Exhibit

No.	Description
99.1	Press Release, dated March 30, 2017.