

Ignyta, Inc.  
Form 8-K  
July 21, 2014

**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): July 21, 2014**

**IGNYTA, INC.**

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

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

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

**59-3564984**  
**(IRS Employer**

**File Number)**  
**11095 Flintkote Avenue, Suite D**

**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 8.01. Other Events**

On July 21, 2014, Ignyta, Inc. (the Company ) announced the initiation of the Company s global Phase I/II clinical trial of RXDX-101, its proprietary oral tyrosine kinase inhibitor targeting solid tumor indications. This clinical trial is called STARTRK-1, which stands for Study Targeting ALK, ROS1 or TRKA/B/C, and is a Phase I/IIa, multicenter, single-arm, open-label clinical trial of continuous daily dosing of oral RXDX-101 in adult patients with locally advanced or metastatic cancer confirmed to be positive for relevant molecular alterations.

**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: July 21, 2014

**IGNYTA, INC.**

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

Name: Jonathan E. Lim, M.D.

Title: President and Chief Executive Officer