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): April 8, 2015

Mallinckrodt public limited company

(Exact name of registrant as specified in its charter)

Ireland (State or other jurisdiction of incorporation or organization) 001-35803 (Commission File Number) 98-1088325 (I.R.S. Employer Identification No.)

Damastown, Mulhuddart Dublin 15, Ireland (Address of principal executive offices)

+353 (1) 880-8180 (Registrant's telephone number, including area code)

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)

Dere-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 April 8, 2015, Mallinckrodt International Finance S.A. and Mallinckrodt CB LLC (together, the "Issuers"), each of which is a wholly owned subsidiary of Mallinckrodt plc ("Mallinckrodt" or the "Company"), entered into an agreement which will result in the private placement on April 15, 2015 of \$700 million of 4.875% senior unsecured notes due April 15, 2020 and \$700 million of 5.500% senior unsecured notes due April 15, 2025 (collectively, the "Notes"), which is in the aggregate \$200 million more than the previously anticipated amount announced by Mallinckrodt.

Mallinckrodt expects to use the proceeds from the Notes to partially finance its previously announced acquisition (the "Acquisition") of all of the capital stock of Compound Holdings II, Inc. (the "Target") and to pay certain fees and expenses in connection with the Acquisition and the consummation of the Notes offering described above. Ikaria, Inc. ("Ikaria") is a wholly-owned subsidiary of the Target.

In the event that (i) the Ikaria acquisition is not consummated on or before July 7, 2015, or (ii) the Stock Purchase Agreement, dated as of March 5, 2015, by and among Mallinckrodt, Mallinckrodt Enterprises LLC, the Target and Compound Holdings I, LLC is terminated in accordance with its terms at any time prior thereto, then the Issuers will be required to redeem all of the Notes at the issue price plus accrued and unpaid interest, if any, to, but excluding, the redemption date.

The Notes will initially be jointly and severally guaranteed, subject to certain exceptions, on an unsecured, unsubordinated basis by Mallinckrodt and each of its subsidiaries (other than the Issuers) that guarantees the obligations under the Issuers' existing senior secured credit facilities, which subsidiaries, after the consummation of the Ikaria acquisition, are expected to include the Target, Ikaria and certain of their subsidiaries.

The Notes were offered only to qualified institutional buyers in accordance with Rule 144A under the Securities Act of 1933, as amended (the "Securities Act"), and to certain non-U.S. persons in accordance with Regulation S under the Securities Act.

The Notes have not been registered under the Securities Act or any state securities laws and may not be offered or sold without registration unless an exemption from such registration is available.

This notice does not constitute an offer to sell or a solicitation for an offer to purchase the Notes or any other securities and does not constitute an offer, solicitation or sale in any state or jurisdiction in which such an offer, solicitation or sale would be unlawful.

In relation to each member state of the European Economic Area which has implemented the 2003/71/EC directive as amended (the "Prospectus Directive") (each a "Relevant Member State"), an offer of Notes to the public has not been made and will not be made in that Relevant Member State, except that an offer in that Relevant Member State of Notes may be made at any time to any legal entity which is a qualified investor as defined in the Prospectus Directive; to fewer than 150 natural or legal persons (other than qualified investors as defined in the Prospectus

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Directive), subject to obtaining the prior consent of Goldman Sachs, as the representative of the initial purchasers; or in any other circumstances falling within Article 3(2) of the Prospectus Directive, and provided that no such offer shall result in a requirement to publish a prospectus pursuant to Article 3 of the Prospectus Directive or supplement a prospectus pursuant to Article 16 of the Prospectus Directive.

Forward-Looking Statements

Statements made herein that are not strictly historical, including statements regarding the Offering, the proposed acquisition of Ikaria, the expected timetable for the completion of the Offering or the proposed acquisition of Ikaria, future financial condition and operating results, economic, business, competitive and/or regulatory factors affecting Mallinckrodt's and Ikaria's businesses and any other statements regarding events or developments that we believe or anticipate will or may occur in the future, may be "forward-looking" statements within the meaning of the Private Securities Litigation Reform Act of 1995, and involve a number of risks and uncertainties. There are a number of important factors that could cause actual events to differ materially from those suggested or indicated by such forward-looking statements and you should not place undue reliance on any such forward-looking statements. These factors include risks and uncertainties related to, among other things: general economic conditions and conditions affecting the industries in which we and Ikaria operate; the commercial success of Mallinckrodt's products and of INOMAX®; Mallinckrodt's ability to complete the Offering on the anticipated timeline or at all; the parties' ability to satisfy the conditions to the acquisition of Ikaria, including the expiration of the waiting period (and any extensions thereof) under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended, and complete the acquisition of Ikaria on the anticipated timeline or at all; Mallinckrodt's ability to realize anticipated growth, synergies and costs savings from its recently completed acquisitions and the acquisition of Ikaria; changes in laws and regulations; Mallinckrodt's ability to identify, acquire or close future acquisitions; Mallinckrodt's ability to successfully integrate acquisitions of operations, technology, products and businesses generally and to realize anticipated growth, synergies and cost savings (including with respect to the acquisition of Ikaria); the parties' ability to successfully develop or commercialize new products; the parties' ability to protect intellectual property rights; Ikaria's performance and maintenance of important business relationships; the lack of patent protection for certain of Ikaria's products, and the possible FDA approval and market introduction of additional competitive products; Ikaria's reliance on INOMAX for substantially all of its net sales and profits; Ikaria's ability to continue to generate revenue from sales of INOMAX and related products and services to treat on-label indications associated with hypoxic respiratory failure in term and near-term infants, and Ikaria's ability to obtain other indications for INOMAX; the performance of Ikaria's collaborators, single source-suppliers and manufacturers; Ikaria's research and development risks, including Ikaria's efforts to develop and obtain FDA approval of Terlivaz®; Mallinckrodt's ability to receive procurement and production quotas granted by the U.S. Drug Enforcement Administration; customer concentration; Mallinckrodt's reliance on certain individual products that are material to its financial performance; cost containment efforts of customers, purchasing groups, third-party payers and governmental organizations; the reimbursement practices of a small number of public or private insurers; limited clinical trial data for H.P. Acthar® Gel; complex reporting and payment obligations under healthcare rebate programs; Mallinckrodt's ability to achieve anticipated benefits of price increases; Mallinckrodt's ability to achieve expected benefits from restructuring activities; complex manufacturing processes; competition;

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product liability losses and other litigation liability; ongoing governmental investigations; material health, safety and environmental liabilities; retention of key personnel; conducting business internationally; and the effectiveness of information technology infrastructure. These and other factors are identified and described in more detail in the "Risk Factors" section of Mallinckrodt's Annual Report on Form 10-K for the fiscal year ended September 26, 2014. The forward-looking statements made herein speak only as of the date hereof and Mallinckrodt does not assume any obligation to update or revise any forward-looking statement, whether as a result of new information, future events and developments or otherwise, except as required by law.

Pursuant to the requirements of Section 12 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: April 8, 2014

MALLINCKRODT PUBLIC LIMITED COMPANY

By: /s/ Peter G. Edwards

Name: Peter G. Edwards Title: Senior Vice President and General Counsel

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