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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

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**FORM 6-K**

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**REPORT OF FOREIGN PRIVATE ISSUER  
PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**For the Month of September 2023**

**Commission File Number: 001-37452**

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**CELYAD ONCOLOGY SA**

**(Translation of registrant's name into English)**

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**Rue Edouard Belin 2  
1435 Mont-Saint-Guibert, Belgium  
(Address of principal executive offices)**

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Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F

Form 40-F

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## Celyad Oncology SA

On September 12, 2023, Celyad Oncology SA (the “Company”) issued a press release announcing that in accordance with Article 14 of the Belgian Law of 2 May 2007 regarding the publication of major shareholdings in issuers whose securities are admitted to trading on a regulated market (the “Transparency Law”), it received a notification of transparency dated September 8, 2023, from Tolefi SA and related persons indicating that they have jointly crossed the 20% threshold, holding 6,568,978 ordinary shares, with no nominal value per share, or 22.74% of the voting rights of the Company, as of September 4, 2023.

A copy of the Company’s press release is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

*The information contained in this Current Report on Form 6-K, including Exhibit 99.1 is hereby incorporated by reference into the Company’s Registration Statements on Forms F-3 (File No. 333-248464) and S-8 (File No. 333- 220737).*

### EXHIBITS

Exhibit	Description
99.1	<a href="#">Press release issued by the registrant on September 12, 2023</a>

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**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, thereunto duly authorized.

**CELYAD ONCOLOGY SA**

Date: September 13, 2023

By: /s/ Georges Rawadi  
Georges Rawadi  
*Chief Executive Officer*



**Publication of a transparency notification  
received from Tolefi SA  
(Article 14 §1 of the Law of 2 May 2007)**

**Mont-Saint-Guibert, Belgium, September 12, 2023, 10.01 pm CET—regulated information** – Celyad Oncology SA (Euronext: CYAD) (“Celyad Oncology” or the “Company”) today announced, in accordance with Article 14 of the Belgian Law of 2 May 2007 regarding the publication of major shareholdings in issuers whose securities are admitted to trading on a regulated market (the “Transparency Law”), that it received a transparency notification dated September 8, 2023, from Tolefi SA and related persons indicating that they have jointly crossed the 20% threshold, holding 6,568,978 shares, or 22.74% of the voting rights of the Company as of September 4, 2023.

**Content of the Notification:**

- Reason of the Notification:  
Threshold crossing by persons acting in concert
- Notification by:  
Persons acting in concert
- Persons subject to the notification requirement:  
Tolefi SA, Chaussée de Waterloo 1589D, 1180 Uccle  
Serge Goblet  
Isabelle Thoumyre  
Jérôme Goblet  
Jean-Daniel Goblet
- Date on which the threshold is crossed:  
September 4, 2023
- Threshold that is crossed (in %):  
20
- Denominator:  
28,893,101
- Notified details:

<u>A) Voting Rights</u>	<u>Previous notification #of voting rights</u>	<u>After the Transaction</u>			
		<u># of voting rights</u>		<u>% of voting rights</u>	
		<u>Linked to the securities</u>	<u>Not linked to the securities</u>	<u>Linked to the securities</u>	<u>Not linked to the securities</u>
<i>Holder of voting rights</i>					
Tolefi SA	4,591,402	6,504,864	0	22.51%	0.00%
Serge Goblet	56,180	56,180	0	0.19%	0.00%
Isabelle Thoumyre	7,300	7,300	0	0.03%	0.00%
Subtotal	4,654,882	6,568,344		22.73%	
Jérôme Goblet	250	250	0	0,00%	0.00%
Jean-Daniel Goblet	384	384	0	0,00%	0.00%
<b>TOTAL</b>		<b>6,568,978</b>	<b>0</b>	<b>22.74%</b>	<b>0.00%</b>

- Full chain of controlled undertakings through which the holdings is effectively held:  
Tolefi SA is 100% owned by Serge GOBLET, Mrs THOUMYRE and their children.

#### **Miscellaneous**

- The Press Release may be consulted on the website of Celyad Oncology:  
<https://celyad.com/newsroom/>
- The notification can be consulted on the website of Celyad Oncology:  
<https://celyad.com/investors/regulated-information/>
- Contact person(s):  
Any transparency notification must be sent to our Company by email to the attention of Georges Rawadi, Chief Executive Officer (CEO):  
[investors@celyad.com](mailto:investors@celyad.com)

#### **About Celyad Oncology**

Celyad Oncology is a cutting-edge biotechnology company dedicated to pioneering the discovery and advancement of revolutionary technologies for chimeric antigen receptor (CAR) T-cells. Its primary objective is to unlock the potential of its proprietary technology platforms and intellectual property, enabling to be at the forefront of developing next-generation CAR T-cell therapies. By fully leveraging its innovative technology platforms, Celyad Oncology aims to maximize the transformative impact of its candidate CAR T-cell therapies and redefine the future of CAR T-cell treatments. Celyad Oncology is based in Mont-Saint-Guibert, Belgium. For more information, please visit [www.celyad.com](http://www.celyad.com).

#### **Forward-looking statements**

This release may contain forward-looking statements, within the meaning of applicable securities laws, including the Private Securities Litigation Reform Act of 1995, as amended, including, without limitation, statements regarding beliefs about and expectations for the Company's updated strategic business model, including associated potential benefits, transactions and partnerships, statements regarding the potential value of the Company's IP, and statements regarding the transparency notification. The words "will," "believe," "potential," "continue," "target," "project," "should" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements in this release are based on management's current expectations and beliefs and are subject to a number of known and unknown risks, uncertainties and important factors which might cause actual events, results, financial condition, performance or achievements of Celyad Oncology to differ materially from those expressed or implied by such forward-looking statements. Such risks and uncertainties include, without limitation, risks related to the material uncertainty about the Company's ability to continue as a going concern; the Company's ability to realize the expected benefits of its updated strategic business model; the Company's ability to develop its IP assets and enter into partnerships with outside parties; the Company's ability to enforce its patents and other IP rights; the possibility that the Company may infringe on the patents or IP rights of others and be required to defend against patent or other IP rights suits; the possibility that the Company may not successfully defend itself against claims of patent infringement or other IP rights suits, which could result in substantial claims for damages against the Company; the possibility that the Company may become involved in lawsuits to protect or enforce its patents, which could be expensive, time-consuming, and unsuccessful; the Company's ability to protect its IP rights throughout the world; the potential for patents held by the Company to be found invalid or unenforceable; and other risks identified in Celyad Oncology's U.S. Securities and Exchange Commission (SEC) filings and reports, including in the latest Annual Report on Form 20-F filed with the SEC and subsequent filings and reports by Celyad Oncology. These forward-looking statements speak only as of the date of publication of this document and Celyad Oncology's actual results may differ materially from those expressed or implied by these forward-looking statements. Celyad Oncology expressly disclaims any

obligation to update any such forward-looking statements in this document to reflect any change in its expectations with regard thereto or any change in events, conditions or circumstances on which any such statement is based, unless required by law or regulation.

**Celyad Oncology Contacts:**

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Source: Celyad Oncology SA