

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO § 240.13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO § 240.13d-2

(Amendment No. )\*

**PolyPid Ltd.**  
(Name of Issuer)

**Ordinary Shares, no par value**  
(Title of Class of Securities)

M8001Q126  
(CUSIP Number)

**Aharon Lukach**  
**c/o Eli Cohen 9, Tel Aviv, Israel, 6963005.**  
(Name, Address and Telephone Number of Person  
Authorized to Receive Notices and Communications)

**January 9, 2024**  
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 (the "Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1.	NAMES OF REPORTING PERSON Aharon Lukach	
2.	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3.	SEC USE ONLY	
4.	CITIZENSHIP OR PLACE OF ORGANIZATION Israel	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5.	SOLE VOTING POWER 471,538 (1)
	6.	SHARED VOTING POWER 0
	7.	SOLE DISPOSITIVE POWER 471,538 (1)
	8.	SHARED DISPOSITIVE POWER 0
9.	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 471,538 (1)	
10.	CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) <input type="checkbox"/>	
11.	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.4% (2)	
12.	TYPE OF REPORTING PERSON (see instructions) IN	

(1) Includes 207,900 ordinary shares of the Issuer underlying currently exercisable warrants held by the Reporting Person.

(2) Percentage is based on 4,797,252 ordinary shares of the Issuer that were outstanding as of March 6, 2024 (as well as 207,900 additional ordinary shares of the Issuer underlying warrants held by the Reporting Person), based on information contained in the Issuer's Annual Report on Form 20-F for the year ended December 31, 2023, filed with the SEC on March 6, 2024.

**Item 1.**

- (a) **Name of Issuer**  
PolyPid Ltd. (the “Issuer”)
- (b) **Address of Issuer’s Principal Executive Offices**  
18 Hasivim Street  
Petach Tikva 495376, Israel

**Item 2.**

- (a) **Name of Person Filing**  
Aharon Lukach
- (b) **Address of Principal Business Office or, if None, Residence:**  
Eli Cohen 9, Tel Aviv, Israel, 6963005.
- (c) **Citizenship:**  
The Reporting Person is a citizen of the State of Israel.
- (d) **Title of Class of Securities**  
Ordinary shares, no par value per share (“Ordinary Shares”).
- (e) **CUSIP Number**  
M8001Q126

**Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**

- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with ~~§ 240.13d-1(b)(1)(ii)(J)~~;
- (k)  Group, in accordance with §240.13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with ~~§ 240.13d-1(b)(1)(ii)(J)~~, please specify the type of institution: \_\_\_\_\_

Not applicable.

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**Item 4. Ownership.**

(a) (b) Number and percentage of Issuer Ordinary Shares beneficially owned by each Reporting Person:

<b>Reporting Person</b>	<b>Number of Ordinary Shares</b>	<b>Percentage of Class</b>
Aharon Lukach	471,538	9.4%

**(a) Number of shares as to which the Reporting Person has:**

- (i) **Sole power to vote or to direct the vote:** 471,538
- (ii) **Shared power to vote or to direct the vote:** 0
- (iii) **Sole power to dispose or to direct the disposition of:** 471,538
- (iv) **Shared power to dispose or to direct the disposition of:** 0

Based on the Form 20-F filed by the Issuer on March 6, 2024, there were 4,797,252 Ordinary Shares issued and outstanding as of March 6, 2024.

**Item 5. Ownership of Five Percent or Less of a Class.**

Not applicable.

**Item 6. Ownership of More than Five Percent on Behalf of Another Person.**

Not applicable.

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.**

Not applicable.

**Item 8. Identification and Classification of Members of the Group.**

Not applicable.

**Item 9. Notice of Dissolution of Group.**

Not applicable.

**Item 10. Certification.**

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer or the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

**Aharon Lukach**

**By:** /s/ Aharon Lukach

**Date:** April 1, 2024

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